



TRI STATE AMATEUR RADIO SOCIETY, INC.

Published monthly by the Tri-State Amateur Radio Society, Inc., as its official Organ.

JANUARY 1966

AMATEUR RADIO W9LIT

Affiliated with the American Radio Relay League and the Indiana Radio Club Council.

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Evansville, Indiana.



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L9DGA

5AM MEETING
THURSDAY, JAN 27,
730 PM "LIGHT HOUSE"

"THE PRESIDENT'S CORNER"

By K9JQY

The tail gunner told the other members of the crew that he had the advantage over them in that he could see where he had been, if it was still there. As we look back over the achievements of TAKS, we believe that theirs will be difficult to equal and more difficult to surpass. Let no one tell that the work of our Society last year was not a success. Their record speaks for them, and they are to be commended for their accomplishments.

As we look forward to the new year ours is not an unbroken path, but rather a well defined one which we hope to carry on and to improve as experience teaches us.

These are a few of the hopes and expectations for the Society for the coming year, and as we grow and learn other worth while activities will be added. If we can only remember that memorable slogan, "Amateur Radio Exists for the Service that it gives", we can continue to keep our Society in a rewarding field of work. Those in Amateur Radio are like others in that each has his or her preference (we must not forget the L's both X and XY, God bless them). Some like 80 - 10, others like the higher frequencies; some like AM, others SSB; some like rag-chewing, others traffic and DX; some like phone, others CW; some like operating, others research and experimenting; etc., and what have you. As man is King in his own Castle (don't forget mama), you are King-Bae in your own Ham Shack (and again you had better share your successes and your disappointments with the little woman). More power to you, use any mode or facet of Amateur Radio that you like, you alone are the judge and jury.

We believe that our Society should continue to co-operate and continue to be a part of the organizations of the Craft. You may like or dislike the American Radio Relay League, you will find company in either choice, depending on the point of view. We believe that over the long haul, ARRL has had a positive influence on the entire field of Amateur Radio, sure it has made its mistakes. As we see it, the ARRL is a source of technical information, definite improvements have come to the art because of its policies, a clearing

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Many, many other good buys. Come in - Look Around.

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PRESIDENT'S CORNER, Cont'd.

house exists to keep all amateurs in touch with other regions throughout the world and within our own country. Again they have made some mistakes. Man is prone to error. On some issues there is our side, their side, and the right side, a coin with three sides if that is possible.

It is true that we are in the extreme south western part of our state, and we do not get some of the goodies that our more fortunate brothers get who are better located, especially with the politicians. We are not too short in southern Indiana, we have many things that they don't have. Remember the trip you took to the "Hoosier Hills Hamfest" last fall. Let them try to match that and we will come up with another one. We believe that our Society will profit and Amateur Radio will benefit for us, by continuing our participation in the activities of the Indiana Radio Club Council (IRCC). We may get the meetings in our area in the future. The things that help Amateur Radio in one place can be adapted to help it in another.

We recently witnessed the fine spirit of co-operating offered to our Society on the Communications end of the "International Sports Car Rally" that was scheduled for this area. Those fellows were not only willing but highly pleased to become a part of this project. We shall take a rain check on their offer, and if the "Sports Car Rally" does not come off there will be events in which we will welcome their co-operation. Since we are centrally located with respect to the other radio clubs in this area it is not unthinkable that we may plan some event and sponsor a joint meeting inviting them to take a share in its operation. We have the satisfied assurance that we are able to call on those boys in an emergency of our own, and we are sure that our club will always stand ready to return the favor.

It is a pleasant thought to entertain the dream that most of the hams in and around Evansville would become members of our Society. We seriously doubt that the dream could ever be realized, but we think that our efforts should continue to point in that direction. By personal contact and by invitation, we can interest some of those fellows to membership in our Society. We need them, they have much to offer and to give to the advancement of Amateur Radio. We believe that these goals can be best realized through joint effort and through Society activities. We must renew our effort to bring as many of

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PRESIDENT'S CORNER, Cont'd.

those that are not in the Society, into the Society as we can. We know that there are always those individualists who are happier to go their own way. We respect their view; therefore, we have a selling job to do, and we must continue the effort to keep our Society strong and efficient. Our Program Chairman, Earl Green, K9PNJ PP, has some good activities in store for the Society. For those who hope to increase their own knowledge and advancement in the Art, these meetings will help you very much. In addition the things that you learn at these technical sessions, it will stimulate you to work on your own for your own benefit. Those who are farther advanced in the field of Electronics will find a deep satisfaction in helping those less informed. We made a good start in giving a part of our Society meetings over to technical information. Our aim is to continue and to intensify these efforts, and when the FCC sounds the Trumpet that separates the have's from the have not's, TARS members will be among the chosen few.

These are a few of the thoughts that come to us at this time. They are not new by any means, but we believe that as our memories are refreshed we will put forth a stronger effort to improve ourselves, and by this endeavor Amateur Radio will profit. "Amateur Radio Exists for the Service that it gives." The next regular meeting will be January 27 at the "Lighthouse", Virginia and Second Avenue. 73, --Ralph, K9JQY, Pres. --

TARS expresses deepest sympathy to Bob and Anna Mary Fink in the passing of Bob's mother, Mrs. Mary Fink at the age of 93. They cared for and were faithfully devoted to Mrs. Fink in her declining years. Just as they are continuing their efforts towards the welfare of Bob's aunt, Mrs. Happel who is presently hospitalized with a fractured hip. Our sincerest get well wished are extended to her.

We are glad to report our Past President, Earl Green, K9PNJ PP is on the mend after suffering a back injury. Glad Earl, you are home again and under the care of your most excellent nurse and wife, Dot. The report is you are behaving and a cooperative patient. All the fellows hope to see you at the next meeting.

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"TARS JANUARY MEETING"

The regular meeting of the "Tri-State Amateur Radio Society, Inc.," will be held Thursday, January 27 at the "Lighthouse" on the corner of Second Avenue and Virginia Street starting promptly at 730 PM. The program will be a Seminar on the "License Manual". An interesting evening is planned.

The February meeting will be the annual "Auction". Humpy Campbell, W9JFJ will once again be the auctioneer. Start making your plans now.

Congratulations to Henry "Hank" Galbraith, W9RDJ PP on his election as President of the "City-County Health Board". As one of our past presidents we know Hank will do a fine job.

KIYPE/XV5 is now operating from Viet Nam with the express authority of the local government. FCC, therefore, will have no objection to US amateurs working this station within the framework permitted by the Viet Nam authorities. Additionally, FCC, has forwarded information stating that KIYPE/XV5 has received permission to handle third party traffic. From the ARRL.

"AMATEUR RADIO AUXILIARY NEWS"

By Dorothy McGuyer

The January meeting was held at the home of Dorothy McGuyer with our new president Betty Miller presiding. Plans for the coming year were made and we look forward to another fine year under her supervision. Special appointments include Dorothy Green and Mary Wurtz to assist the vice president with programming and Dorothy will also be our newspaper reporter. Anna Mary Fink is the sunshine chairman. Sorry Mary and Anna Mary were unable to be with us due to illness and hope they are well again by this time. The hostess prize was won by Evelyn Galbraith and attendance prize by Jeannette Covert. Betty Miller was winner of our guessing game.

The ARA extends sincerest sympathy to Bob and Anna Mary Fink in the passing of his mother. No parent has enjoyed a more loyal and faithful son and daughter-in-law. They are continuing their support toward the recovery of Bob's aunt who received a fractured hip after falling in her home. We hope she will soon be well enough to leave the hospital.

We are glad to report Earl Green is home again and feeling better with each passing day. Sure Dorothy is also responsible for his recovering.

Also happy to report the mother of Don Cox has returned to her home and is on the mend and extend get well wishes to the mother of Clifford McGuyer who is presently hospitalized.

There has been a new addition in the home of the Raymond Millers. As of Dec. 25th, a beautiful, frisky German Shepherd puppy found a wonderful home and there has never been a more delighted master and mistress. Next month we expect "Major" to provide us with entertainment!

We all enjoyed reading and looking at pictures of the Ralph Barnetts which appeared in a Decatur, Illinois paper. Dorothy is one of our charter members. The article is in regard to their collection of antique radios, Victrolas, rare radio tubes and speaker horns. Their home is referred to as a museum and additional collections include clocks, china, cup and saucer sets. As you probably guessed, the Barnett's favorite passtime is attending "sales".

The Novice Class license was originally proposed by FCC in Docket 9295, Apr '49. It contemplated 3700-3750, 14,100-14,150 kc., 28.0-28.5 and 145-147 mc., A3 only on two meters. The docket involved numerous other basic matters & months of filings, conferences and hearings. Effective July 1, '51 novices were authorized 3700-3750, the 11 metr band and 145-147 mc. Early '53, 11 mtrs was removed and 21,000-21,250 and 7175-7200 added. The latter was expanded to 7150-7200 in 1955. The novice now has 3700-3750, 7150-7200, 21,00-21,250 CW and 145-147 CW & A3. FCC contemplates withdrawing A3 on two meters for NOVICES.



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L9DGA

"THE PRESIDENT'S CORNER"

By K9JCY

"And all had a good time", seems a good description of our first Society meeting of the new year. Our thanks to Jim, Les, Paul and Ray for their willingness to take over when needed and for a job well done. Our "special" thanks to Ray for his initiative in organizing the over-seas traffic project. In our opinion this activity will grow tremendously. With at least three teletypes operated by Society members, and the group that offered their services at the meeting, we believe it will go over and a valuable service will be offered to those concerned in this area.

Congratulations to Paul for his good work with a rather young group of boys at Henry Reis School. "Today's boys will be the hams of tomorrow." We talked to two of the boy's dads, and we think that they were pleased to learn that our Society was interested in the boys. Thanks to Hank for taking the boys under his wing in the code corner. We wonder if "Hank" found a few surprises when he found how far "Paul" had brought the boys along, and Hank's keyer was just the thing to create an interest among the boys in CW.

We thought the members showed an unusual interest in the technical part of the program. Discussions were entered into freely and with interest. A good exchange of ideas took place with explanations and interpretations among those taking part, and about everyone got into the show. Our Society is fortunate in having, among its members, individuals with a wealth of know how and good down to earth experience. Those of us less informed have a good source of reference, the help is there only for the asking. "Les" we believe that it would be in order to refer that Gal on the "TV" commercial, who can't make good coffee, to you. Your coffee was good to the last drop.

"Chuck" has very kindly consented to look out for new comers and strangers, give them the "glad hand", and introduce them to the gang. We want to make visitors feel welcome, meet other Society members, and hold out the welcome mat for "membership" in our Society. We believe that "Chuck" is the fellow to be on the lookout for them and to get the "Job Done."

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HC-170 Receiver	\$225.00
HQ-110 Receiver	169.50
Geloso Transmitter	199.50
Geloso Receiver (matches above transmitter)	199.50
HT-40 Transmitter	69.50
Philmore Novice Transmitter	19.95
Elmac Transmitter	99.50
Stereo Headphones	9.75
Trimm Headphones	2.61
1966 ARRL Handbooks	4.00
1965 ARRL Handbooks	3.00
P C Desoldering Pencil	9.95
Call Letters (each)	.12
Messenger 10 meter Transceiver	99.95
Viking VFO	39.95
Viking Transmitter	125.00
Ham Beam Rotator	44.95

"CASTRUPS"

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PRESIDENT'S CORNER, Cont'd.

On the question of "membership recruitment" for our society, what is the best plan? We would like to know, and if anyone has an "idea" that will lend itself to this effort, present it. The position of "Membership Chairman" is still open. This plan has met with varying degrees of success, and we are willing to try any plan that will "get the job done." Untill a better plan is found we suggest that every "member" of the Society be on the "membership committee" and that every member "take it upon himself to make personal contact with hams who are known not to be members of the Society." We all know that there are many hams in our area who are not members, there are many hams who were once members and are not at this time. If all potential members could be approached on the idea that the Society needs their services, how much their presence will mean to the Society, and the many many things that they can offer to the society, it is worth a try and we have "nothing to lose." We all know that we can use them, and that many of the fellows have "unusual talents" and that will be a great help to us, and we believe that they will enjoy the feeling that they are able to render a "service to causes worth while." We expect to make several "personal contacts" with this end in view. If each member of the society will take this chore upon himself we believe some progress can be made. "For one thing, we have all to gain and very little to loose." "Everyone has some influence on some one else." Often it will only take an invitation. Talk to your "ham" friends outside the "fold", and don't be disappointed with some refusals.

We feel that the Society is "off to a good start." "Our success or failure is up to us." We can have the king of "society" that we want, and we believe that all working for a common cause will pay off. The next meeting will be our annual "Auction." The decks will be cleared for it, and we shall cut our business session as short as possible. "Humpy" W9JFJ will be there with his "ever present talent" to tell you about the "goodies" of items offered for auctions. Bring a pocket full of money, because when "Humpy" lets loose his sales pitch you will want to buy. Mention was made that gear of members will be sold first. We shall give that a "roger." Earl, our "Program Chairman", has interesting, as well as, profitable programs in store for our future meetings. Let's get behind him and make them go. Be CNU at the "Auction". 73, Rapph, K9JOY. --

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"Corner of Seventh and Pennsylvania"

Your 1966 Dues are now due. In order to save your club the extra expense of billing you and to remove the possibility of losing your membership, please give your dues to me at the next meeting or mail to my home, 305 Parker Drive, Evansville, Indiana. 47714. -- Ray Miller, W9OG PP --

"MEETINGS AND PROGRAMS"
By K9PNJ PP

The regular meeting of the Tri State Amateur Radio Society will be held Thursday, February 24, at the "Lighthouse", Second Avenue and Virginia Street starting promptly at 730 PM.

The program will be the "Annual Auction" with Howard "Humpy" Campbell, W9JFJ PP as the auctioneer. Bring your items for auction and get in on the fun. This is always the best attended meeting of the year.

For March and April we will have a "Two Parter" program. Woodrow Pemberton, WA9CDP will give a talk and demonstration on "Antennas" and the construction and operation of an "RF Bridge". These two meetings will be well worth your attendance. Other equally attractive programs and activities are being planned for your benefit throughout the year.

"AMATEUR RADIO AUXILIARY NEWS" - 28 By Dorothy McGuyer - 18

The Feb meeting was held at the home of our President, Betty Miller. "Major" Miller greeted all and we knew we were well protected for the evening. Attendance was almost 100%. We hope at this writing little Karen Schoettlin is enjoying good health again. Our sincerest sympathy is extended to Ruth Schoettlin in the passing of her step mother, Mrs. Lenora Ahlering and also to Mildred Goodson in the passing of her father, Mr. George Hape. Mildred was one of our active members until she was blessed with two sons and a daughter. Hope she can rejoin the group in the near future.

Winners for prizes include Dorothy Green--hostess and Betty Miller -- attendance. Favors were made for the State Hospital. Besides a delicious desert, our hostess treated us with a variety of tasty snacks. Viewing of various Television Programs in color was also a highlight of the evening.

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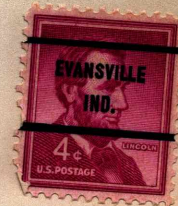
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L9DGA

"THE PRESIDENT'S CORNER"

By K9JQY

Where do we go from here? Things are moving along. The Auction turned out very well in spite of the slow start. We were somewhat discouraged a while before the start, but equipment began to come in and things got started. Our "special" thanks to those who kept the records straight, and the crowd in general. Words gets around. We recognized fellows from Vincennes, Henderson, Newburgh and no doubt there were some visitors from other places. Our own club was very well represented.

Some ideas on things to come. We do have a project in mind, proposed by one of the club members, which will be reported to the next directors meeting, and if action is taken that is favorable, it will be brought up at the next club meeting. It is a worthy project, one that needs the backing of the entire membership. Ideas are needed, and we believe that these will come from club members at the proper time.

We have mentioned before that our Program Chairman, K9PNJ PP has been busy planning programs for our club meetings of a technical nature. WA9CDE is in charge of the programs for March and April. We all know the nature of the programs that Woody presents, and we believe that we are in for two FB programs under Woody's direction.

In his letter of resignation to the ARRL Board (Ed. he did not resign, but will not be a candidate for re-election) Herbert Hoover Jr W6ZH made these remarks in part, "Domestically, while several important matters, including incentive licensing, are still pending before our government agencies, the Leagues work in connection with them has been completed. Hopefully, the decision will be available by the next board meeting." Regardless what we as individuals think of ARRL, the fact remains that it is the largest and the most powerful organization of any in the field of Amateur Radio. From this CTH we are of the thought, both as a club and as individuals, have nothing to loose if we accept the incentive licensing issue as a problem that amateur radio must face as a fact of life. If it never comes to pass, we as individual operators will be more efficient operators on the air if we improve our technical art.

In July QST, W4PR has a most interesting article entitled, (Cont'd Next Pg)

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"You and the Amateur KExtra." If you have not read the article it will pay you to read it. 4PR as a non-technical General licensee; like many of us; was bothered by this talk and action on the incentive licensing, and the examination to follow. To quote 4PR, "Like it or not, most of our General and Conditional licensees must squarely face the fact that they must soon take the new and harder examination if they want the full use of all our amateur bands. I respectfully suggest that all Generals seriously consider taking the Amateur Extra exam now and not wait for the new regulations to become law." The fact is that 4PR took more than one Amateur Extra exam before he was able to pass it. Paraphrasing from his article in QST: the test consists of 80 multiple choice questions, and 10 questions calling for diagrams drawn in the space provided. On a wild guess, he figured each multiple choice question one point and the drawings two points to make the 100% on the test for 75% to be passing. The scope of the exam covered questions on radar, microwave, radio controlled airplanes FM receivers and transmitters, television as well as on the equipment that amateurs use today. He says that there is no one text that has all the answers, but that several books and subjects must be studied. The ARRL manuals are not enough. He memorized the answers in the manuals knowing the answer verbatim. Yet he fell flat on his face the first time. He says he believes that the non-technical General could not pass the exam with the ARRL manuals open before him; however he believes that the average non-General can pass the exam if he prepares well and rightly.

On CW he tried WIAW code practice, time elapsed and CRM was bad. He went to that part of the band where operators work above 20 WPM, not finding many, again CRM and irregularity. He solved his problem by renting an Instructograph and setting up a tight schedule of practice. While bringing up the efficiency on receiving don't forget the sending. He said that in his younger days he could rattle off 20 WPM without any difficulty, but as a middle aged man it was different. (Ed note. I content if you once learn the code correctly, you will never forget it, your speed may drop, but with little practice it comes back fast). He solved that problem by getting a keyer. He offers some good study ideas, get two license manuals, cut out all the questions on each subject and paste them in a note book together. The Amateur Handbook is good reference but it does not have all the answers. He says one might well know the basic meaning of SWR, but try and work a problem concerning SWR with RF current, feeder reactance and antenna resistance given.

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"Corner of Seventh and Pennsylvania"

President Cont'd. The answers printed in the Q & A manuals won't give you much of a clue. He has many good study tips with books to consult and how to organize material that we shall not go into here. It is our purpose to present the scope of the material covered in the exam to some degree. He also gives the idea if the OM's take the Extra exam and get it out of the way, they will avoid the grand rush if and when that final day comes. We doubt, very much, if we ever pass the Extra, but we hope to be ready for the in-between exam when it comes. These are some reasons why our programs are being shaped in a technical way. If our thinking can be directed towards those ends as a club, it will be up to the individual to put on the finishing touch.

How about CW, yours and mine? We know that our club has several good CW operators as attested by field day operations. How about others? How many hams can take their turns as CW operators on Field Day? How many can receive 13 WPM? When we renew our license we swear that we can receive 13 WPM. Sure you did when you passed your conditional, but if you are like some hams I know, including me, when you went on fone your and my CW was neglected in many cases. It is different copying CW in your shack than passing it before the FCC examiner. Older hams have told me that they receive more than 13 WPM, but these same fellows told me that they had failed CW tests before the FCC, more than once because of nervousness and fear. It would be well for every conditional to get his General, even if it is not needed, before trying the in-between-exam. We are not sure if the conditionals can take the new exam. We believe it is certain that one must have his general to pass the Extra. To those who have kept up your code speed we congratulate you. It is our hope, with your help to set up an award, not that it has much value in itself, but its value consists in the work done to earn it. If we can get this activity started in our club, our hope is that each individual will take it from there. The award will be arranged so that as your code speed increases by passing the tests progressively, provisions will be made for the award to record the proficiency tests as you advance. Hope you will stay after the meetings and take a try at code practice. It is not our intention to embarrass anyone, but isn't it better to take a try at it now, under some pressure with a group than to be sorry later. We expect to give it a try. Bring your own pencil and paper.

If our club is able to meet an increase in membership, (Cont'd next page)

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Globe "Scout" Transmitter	49.50
Philmore "Novice" Transmitter	19.95
Viking "FFO"	39.95
HQ-110A Hammarlund Receiver NEW	249.95
HQ-110A Hammarlund Receiver slightly used	199.95
P and H Kilowatt Amplifier with power supply	199.50
Johnson 10 Meter Transceiver - NEW	100.00
Hallcrafters SX-117	279.95
Drake TR-3	435.00
NCL-2000 W/Mod	499.50
3 Inch Scope	30.00
S-38 Hallcrafters Receiver	29.95
Stereo Headphones	9.95 to 29.95

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"AMATEUR RADIO AUXILIARY NEWS"

By Dorothy McGuyer

The March meeting was held at the home of Dorothy Smith. Final plans were made for the Founder's Day Banquet in April which will be held at the Brenner Party House. This is a covered dish affair and a delightful variety of food is in store. (Definitely will not be the night to count calories!).

The hostess prize was won by Jeannette Covert and it appears Evelyn Galbraith has regained her "luck" for she was the winner of the attendance prize. We enjoyed a "Name the Age" game with Mary Wurtz being the winner.

Our sincerest get well wishes are extended to the mother of Ray Miller who is presently being cared for by Betty and Ray. Your reporter wishes to express her thanks and appreciation to the auxiliary for the attractive planters, cards, visits and phone conversations during her recent stay at the hospital. Am also grateful to members who helped make favors which had been a previous commitment.

Our hostess kept us well supplied with snacks throughout the evening as well as a grand climax of delicious cake and ice cream. Thanks to Anna Mary Fink who supplied us with the traditional St. Patrick's Day Favors!

PRESIDENTS CORNER, Cont'd. and is able to meet its civic responsibility in an emergency, and if a number of our conditionals can become generals we shall consider our tenure as President a success. If any of our club members can pass the Amateur Extra, we salute you. 73, Ralph Green, K9JCY, President.

"RADIO VIET NAM"

By W9OG PP, ARRL Emergency Coordinator
Vanderburgh County

The Army MARS program in regard to "Radio Voice to Vietnam" was initiated in January. After several weeks of negotiations with an Evansville Newspaper, the program was initiated here. We made the front page of section 2 March 8 in the Evansville Courier and a fairly good article in the Press on March 9. Occassional follow up articles and blanks are to appear. The result of this publicity is a possible closer relationship with the Red Cross. The writer has been invited to discuss the amateur participation in this program at a Servicemen's Wives Club at the Red Cross.

Collecting the messages from the PO Box, verifying, processing and getting the messages on their way was a little hectic but with experience in handling better organization is now at hand. Amateurs involved include W9DGA (A9DGA who works the Pentagon Army Station WAR directly on 5217 kcs each evening and has handled a total of 125 messages in this manner as of March 25), K9PNJ, W9WUH and W9HRH. A total of 174 messages have been handled to date. Notes of thanks were included with many messages such as "Thanks for taking interest in our men at War. I know they appreciate any morale support from home", etc.

This is a very worthwhile project and may need additional amateurs to co-operate. The time of collecting mail, processing and refiling messages and then getting the traffic to MARS members in time to meet schedules may complicate the assignment of particular duties. Dr Hovda and the writer appeared on WFIE-TV in regard to this program. Summarizing this situation, it appears that the Amateur Radio Operators received good publicity for the first time in quite a few years. Let's keep it that way by providing a public service whenever the opportunity arises.

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RADIO OPERATOR EXAMINATIONS - BY APPOINTMENT ONLY

FORT WAYNE, IND. Commercial examinations - May 17, 1966
Room 103
Post Office Bldg. Amateur examinations - May 18, 1966

INDIANAPOLIS, IND. Commercial examinations - May 19, 1966
Room 526
Federal Bldg. Amateur examinations - May 20, 1966

LOUISVILLE, KY. Commercial examinations - May 23 and 24, 1966
Room 446
Federal Bldg. Amateur examinations - May 25, 1966

INSTRUCTIONS: All applications for licenses must now be filed in advance and accompanied by the required fee. Please mail the application, the fee, and any license you now hold to Chicago at least 10 days prior to the examination date.

Please specify the city in which you desire to take the examination. Failure to do this will require the return of the application for this information.

The application must be accompanied by the required fee. The remittance should be in the form of a check or money order payable to the FEDERAL COMMUNICATIONS COMMISSION. We will not be responsible for any cash sent through the mails. The FCC examiner is not authorized to accept any fees in the examination room in the above cities.

Upon receipt of an acceptable application, an FCC Form 79 NOTICE TO APPLICANT will be mailed specifying the place, date and hour you are to appear for examination. FCC Form 79 will be your admittance to the examination room.

Fees are as follows:

Commercial Operator Examinations	Amateur Operator Examinations
First Class - \$5.00	General Class - \$4.00
Second Class - 4.00	Extra Class - 4.00
Third Class - 3.00	
Endorsements - 2.00*	

*An application for both a license examination and an endorsement examination will require only the fee for the license. For example, a person applying for a third class radiotelephone license with a broadcast endorsement will pay a fee of only \$3.00. A person who already holds a third class license and applies for a broadcast endorsement will pay a fee of \$2.00.

ADDRESS ALL INQUIRIES AND REQUESTS FOR FORMS TO CHICAGO. THE F.C.C. DOES NOT MAINTAIN OFFICES AT FORT WAYNE, INDIANAPOLIS, OR LOUISVILLE.

"MEETINGS AND PROGRAMS"

By K9PNJ PP

The regular meeting of the Tri State Amateur Radio Society will be held Thursday March 31, at the "Lighthouse", Second Avenue and Virginia Street starting promptly at 730 PM.

For March and April we will have a "Two Parter" Program. Woodrow Pemberton, WA9CDP will give a talk and demonstration on "Antennas" and the construction and operation of an "RF Bridge". These two meetings will be well worth your attendance. Other equally attractive programs and activities are being planned for your benefit throughout the year. Please note Field Day dates this year are June 25 and 26, to be held at the same place in Posey county as the last couple of years. Make your plans early to attend FD.

FOR SALE. Current model Swan 350 with AC Power Supply and Speaker \$379.95. Also HC145 receiver and 729SR microphone. All guaranteed and in good condition. Woodrow Pemberton, WA9CDP, phone 476-3985.

US authorities in Viet Nam point out that the operation of K1YPE/XV5 by deputy Ambassador Porter is a special exception to the otherwise complete prohibition of Amateur Radio in a country at War. No other applications for licenses are being considered. Additionally, US Military regulations prohibit any operation by servicemen amateurs stationed there except through MARS on military frequencies. Further details will appear in May QST.

On a recent ARRL Frequency Measuring Test, W9DGA missed the 80 meter frequency by 8 cycles and the 40 meter frequency by only 9 cycles. This 40 meter reading is 1.3 parts per million average error. To express this error as a percentage (%) move the decimal point four places to the left. Counting both measurements the average error in Parts per million was 1.8.

If you handle enough amateur radiograms you will run across lots of request for money. Can you figure out how much this fellow was asking his father to send him?

SEND
+ MORE
MONEY

FCC'S 31st Annual Report. The FCC indicates there are now more than five million xmtrs licensed. Radio today is an invaluable tool for service and scientific endeavor now including relaying services by satellites. The 7 FCC Commissioners appointed by the President, under the provisions of the Communications Act regulates all non-government radio operation and the inter-state over-seas communication common carrier services. At the close of fiscal '65, FCC had 1541 employees. In 4 1/2 million station and operators authorizations the number of amateur operators is given as 256,237 (1-30-64) and 258,881 (6-30-65), an increase of 2644. To advise and assist in its defense communications planning FCC set a National Industry Advisory Comm. The studies extend to each of the different services representing various communications systems and arrangements for emergency use.

FCC states the vital requirements for international cooperation and that it is required to work closely with ITU and other world and regional groups in tele-communications matters of common concern. The primary allocation of frequency bands is determined by international treaty, and assignment of individual channels within those bands to the indicated service made by members of ITU. FCC reports its important conference responsibilities in connection with treaty making and international agreements. Also that in '64 Congress enabled FCC to authorize amateur operators of other countries to engage in amateur work while in the USA under reciprocal agreements.



TRI STATE AMATEUR RADIO SOCIETY, INC.

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APRIL 1966

AMATEUR RADIO W9LIT

AFFILIATED WITH THE AMERICAN RADIO RELAY
LEAGUE AND THE INDIANA RADIO CLUB COUNCIL.

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Evansville, Indiana

L9DGA

"MEETINGS AND PROGRAMS"
By K9PNJ PP

The regular meeting of the Tri State Amateur Radio Society will be held Thursday April 28, 1966, at the "Lighthouse", Second Avenue and Virginia street starting promptly at 730 PM. Coffee and Donuts will be served.

The second part of the program conducted by Woodrow Pemberton, WA9CDP entitled "Antennas" and the construction and operation of an "RF Bridge". These two subjects are covered by "Woody" in an excellent manner.

Plans for the ARRL coming Field Day to be held June 25 and 26 in the same location as before in Posey County near W9LXA's shack. Other equally attractive programs and activities well worth your attendance in the making. Make your plans now to attend TARS activities.

After the meeting, W9RDJ PP will conduct code practice for all who so desires. Hank has worked hard on this code practice ideas so lets help him.

K9QWV PP has been appointed "Hamfest Chairman " For our hamfest this year to be once again held at ECCO Valley. WA9HGA will be the Co Chairman with Den.

"NEW FCC ANTENNA REGULATIONS PROPOSAL"

The Commission has issued a Notice of Proposed Rule Making, Docket 16474, which would seriously and adversely affect the Amateur Radio Service in that it sets up wholly unrealistic requirements for information about antennas and towers, involving both excessive paperwork and engineering expense.

It is actually aimed at broadcast towers but is currently intended to apply to all radio services. If so adopted, it would require every amateur, proposing a tower or antenna more than 20 feet high and who lives within 7.5 miles of an airport or heliport, to provide a detailed survey and map certified by a registered engineer. The specified airport distance would obviously include a substantial majority of amateurs. There are other complications, and the Executive Committee of the American Radio Relay League has instructed the General Counsel to file the League's comments strongly opposing the application of these new rules to the amateur service.

The General Electric Company has introduced a new experimenter kit - ETR-42 for electronic service technicians and hobbyists.

The kit, which sells for less than \$1, can be used to quickly assemble and wire many different simple electronic circuits described in popular electronic hobby manuals, as well as in the newly revised GE Hobby Manual.

The kit consists of a 3 1/2 by 4 1/2 inch terminal board, rubber mounting feet, and more than a dozen push-in terminals. Component wires can be attached to the terminals with or without soldering.

The terminal board provided was sized to fit many small metal boxes in which the circuits will eventually be housed. This board can be easily cut to fit smaller housings, or two or more boards can be fastened together.

The Executive Committee of ARRL has examined and engaged in extensive discussion on the FCC proposal in Docket 16420, to establish the Radio Amateur Civil Emergency Service as a permanent part of the amateur structure. The General Counsel was instructed to file comments of the League in support of the proposal, but expressing serious concern over abuses of the provisions for non-amateur operators of RACES facilities and requesting the Commission to review and take appropriate action in this area for RACES activity especially under peacetime conditions.

"Public Office is a Public Trust - and so to serve TARS is a high privilege"

Recently, we were in a particular place in 4-Land, away down. The question was asked us--Has the FCC been active in your area lately. Our answer was--No, not to our knowledge; at least, we had received no citation and we knew of no one who had received such greetings. Our further comment was that--we had communicated with the FCC, some questions were asked, they were prompt and courteous in giving the information desired. We learned that some short wave operators, not amateurs, had been guilty of certain violations in careless transmissions, no identification, etc. It seemed that the idea was that if the operator did not identify, or give his call, then he would not be detected. It seemed useless to them that they should be bothered with FCC regulations with the transmissions that they needed to make. To their surprise they were identified, citations issued, and in extreme cases, penalties assessed.

It is not our purpose to blame guilt on these short wave operators as a group, or to cast any reflections on 4-Land in general, but this isolated case is cited to show that it can happen, and often in the most unexpected places. We hardly believe that any group of amateurs would be guilty of this kind of conduct on the air, at least we don't like to believe this sort of thing. However, monitor the frequency, or engage in traffic handling, or simply plain QSO'S; and many deliberate violations are detected, those that are purposely intended to disrupt frequency, transmitting and receiving.

Supposedly, all Indiana amateur nets are on 3910 kcs. (QIN 3656 kcs). True, when conditions are right the nets are often disrupted by interference from other areas. When some are asked to relinquish the frequency until traffic can be passed, they are very co-operative, apologize and QSY. Others ignore the request and carry on their QSO's with renewed vigor. It seems that some of them used a kilowatt to transmit across town. The thought has come to us - do we interfere with other areas with our operations? The answer is obvious, we do. These kind of interferences are most probable and very likely to happen on the crowded frequencies. Recently we heard a complaint, the 3910 kc was one of the official measuring frequencies. We searched through several QST's and failed to find that statement to be true.

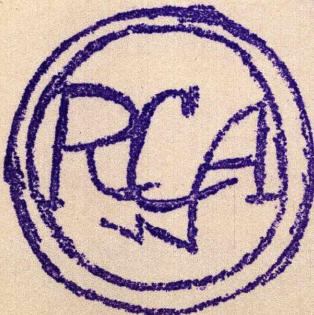
The deliberate, nuisance type of interference is the most (Cont'd over)

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PRESIDENT, Cont'd. detestible of all. Any amateur who tries to live up to the "code of ethics" would not purposely engage in some of the deliberate interference that we hear on the air, and unfortunately sometimes the victim of such practices. For example: throwing heterodyne on the signal that you are receiving, or when you are sending. If the heterodyne is thrown on the frequency accidentally it is easily recognized, it will not happen a second time. If the practice is repeated over and over you know that it is deliberate. Other kinds of interference is making disturbing noise, sending CW on top of you, etc.

Not long ago there was an article in the "Bison" with a list of amateurs who has received the "Courtesy Award" in operating procedure. We have mislaid that copy of the paper, and we do not remember the names of all those in this area who were listed. There were some from this area whose names we recall such as W9AIN, W9DGA and W9WUH. For further reference and identification their names are in our "local" director, Hi. Not long ago a yellow sheet from ARRL was placed in "Sparks" on good operating procedure. This article does not mention the "petty" disturbances listed in this article. From this TH, we have been disturbed by the petty things more than those mentioned by ARRL.

It has been our good fortune not to have received a citation in nearly ten years of operating. We have been lucky for more reasons than one. We believe that most amateurs want to be courteous on the air and try to live up to our own self-imposed code of ethics; however, there are always exceptions. It is quite possible that a few careless operators could cause our whole area to be on the spot, and just a small reminder to ourselves may be the difference between good and bad operating procedure. To those who have received the coveted "Courtesy Award" our sincere congratulations for your standard of conduct on the air.

"PUBLIC ADDRESS SYSTEM PROJECT FOR EVANSVILLE ASSOC. FOR THE BLIND"
By W9OG PP.

This project is being sponsored by our club in order that a much needed PA System may be utilized by the Blind Association. In order to provide a tax benefit incentive to donors. The campaign to obtain funds is being conducted independently with the approval of the Blind Assoc. Dues and or contributions to our club do not create a tax benefit to donors. All contributions are deposited by the Blind Assoc in a separate bank account and receipts of contributions (next page)

"OV" HAM GEAR

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GSB-100 Like new	285.00
LPA-1 150watt Linear	249.50
T-60 Knight Transmitter	44.95
Globe "Scout" Transmitter	49.50
HQ-110-A Receiver	199.95
GSB - 101 Linear - New-	374.95
P & H Spitfire Linear W/Power Supply	199.50
Philmore 4 band Receiver	19.95
Viking VFO	39.95
Elmac AF - 54 Transmitter	89.95
Elmac PMR - 7 Receiver - New	139.50
Hallcrafters SX-99 Receiver	89.50
DX - 100	125.00
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PA System, Cont'd. Contributions will be acknowledged by the same organization. No contribution is too small or too large. The amount you may give will not be publicized in any manner. However your name will be inscribed on a plaque to be placed on the premises of the Blind Assoc. We realize that timing of the campaign, during a period when donors funds may be low, has not been the best; however, in order that the project be successfully completed in the near future, any contribution which you can make now will be particularly appreciated by our committee and the Blind Assoc. Please use the form previously mailed to you or the one in this issue of "Sparks", with your check payable to the "Evansville Assoc. for the Blind, PAS Project." Mail to R G Miller, 305 Parker Drive, Evansville, Ind. 47714. Both officers and members in regular meetings and the Blind Assoc approved our undertaking in this project. Let us complete this job right away so that we can point with pride to our part in such a worthwhile program. (P.S. Amounts received in excess of our goal will be used to expand the basic system, such as record player, Tape recorder and/or AM-FM Tuner. In addition to Cash contributions, committee members have contributed and will contribute many hours in planning and in the installation).

Minimum Goal

\$400.00

Contributions to April 21, 1966

\$50.00 Contributions	2	100.00
25.00 Contributions	2	50.00
15.00 Contribution	1	15.00
10.00 Contributions	2	20.00
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Please accept the following contribution for a P.A. System project for the Evansville Association for the Blind.

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"Corner of Seventh and Pennsylvania"



TRI STATE AMATEUR RADIO SOCIETY, INC.

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Evansville, Indiana

L9DGA



MEETING
MAY 26 - LIGHT HOUSE
2ND AVE & VA.
HERE K9TAG.

"THE PRESIDENT'S CORNER"

By K9JCY

JUST SOME THOUGHTS ABOUT ALL OF US
IN UNION THERE IS STRENGTH, DIVIDED, WE DON'T DO MUCH

Our pretest to Docket 16474 is now a matter of record. How much good did it do? How much attention was given it by the FCC? Will any action be taken by the FCC because of our pretest? In our opinion, it will carry on weight by itself. It will be read, likely, but no change in rulings or directives by the FCC will result because of our pretest. Suppose every amateur radio operator in this great country of ours would have made a pretest similar to ours. Would the FCC have paid any attention to it? Would the answers to the above questions have been different? In our opinion the answers to both questions is in the affirmative. As a loner, no one can do much, but when enough noise is made people listen and things happen.

Not too long ago, labor was done by slaves. To labor was degrading, a punishment, or a disgrace. After slaves were freed, labor was the victim of exploitation, and the fight to gain their rights was up hill all the way. No one would question the strength of organized labor today. In the whole social order groups of like people unite for the protection of their own interests and well being. Along with labor, government workers, professions, manufacturers, farmers, NATO, United Nations, and what have you; all unite to promote their own well being.

It is difficult for law makers to learn the wishes of all the people whom they represent. In a democracy such as ours, a government can be responsive to its people only in the degree in which the people make themselves heard. A visit to the Congress of the United States or to the Legislature of our own State, gives one the impression that government by the people works for only a limited few. There are those who say that these interests who make the greatest noise or who use the most effective persuasive methods get things done.

In Amateur Radio we have interests particular to our own group. These interests are not only national but international. Our interest aren't bread and butter or financial gain, but in order for us to exist we must have certain interests or privileges; and without these interests and privileges, if you please, we could not be in business. At each International meeting our representatives have to battle to get these things which are a "must" for us. On the National level the problem continues, but in a nature that (next page)

"MAY SPECIALS"

Glebe "Scout" Transmitter	\$49.50
Eico, 90 Watt Transmitter	69.50
Viking Transmitter	125.00
B & W Transmitter - Looks/Works like new	200.00
HT-40 Hallicrafters Transmitter	79.50
Philmore Transmitter	19.95
Genset USB Transmitter - used very little, reg \$400 - new 285.00	
P & H Linear - built in power supply	150.00
NC-300 Receiver	199.50
HQ-110-A Receiver	199.50
S-118A Hallicrafters Receiver - NEW -	94.95
S-120 Hallicrafters Receiver - NEW -	69.95
Messenger Ten Meter Transceiver - reg \$139.95 - new 100.00	
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PRESIDENT, Cont'd. affects us directly. We know the thing that happened to 11 meters. All of you know the next band that we shall lose, and it will be an ones fault but our own, we do not use it enought. These things happen to us because of our own inaction or indifference. On Docket 16474 many amateurs knew nothing of it. If this ruling should become effective, perhaps, ninety percent of all amateur operators will be hurt. ARRL carried the ball and id, or are doing, all they can against this docket; but since ARRL represents less that half of the amateurs throughtout the United States and Canada, its opposition against it may net be enough.

We belong to ARRL. We are net on the staff, neither are we taking subscriptions fer it: however, we believe that it is, by far, the best source of information of the activities that are vital to our interests. In addition to keeping its members informed on matters nationally and internationally, ARRL is an excellent source for technical information. We believe QST is the most widely read, and perhaps, among the best of any peridedicals in the field of amateur radio. In addition to QST there are many excellent publications available for those who want them. Along with the code proficiency tests and code practice service, there are many other services that can be had gratis.

ARRL has its critics, and that in itself is good. It is our privelege to agree or disagree with anything or anyone if we choose. Criticism, is perhaps, the best tonic that any of us can take. Net long age Phil Haller, W9HPG, Director of the ARRL Central Division, called us on the land line. Believe it or net, Phil asked me if there was anything that our group wanted done. He was about to go to Newington for a Directors Meeting. We were a little puffed up to think that we should make a long distance call from Chicago, but on secend thought it was the Club and net yours truly was being called, we came back to ground level. We put in our plug against Docket 16474 and Phil assured us that ARRL was doing all it could against it. Phil put in a plug for the building fund for the new building at Newington. If any of you have any money left after subscribing to QST there is an outlet for it if it gets in your way, Hi.

We still believe,

"IN UNION THERE IS STRENGTH, DIVIDED, WE DON'T DO MUCH"

- - - 73, Ralph, K9JQY - - -

The Indiana Radio Club Council will hold their annual "Hamfest and Family Picnic" at the Brown County State Park, Sunday, July 10, 1966. Pre registration \$1.50, after June 15th \$1.75. Door Prizes, Contest Awards, etc.

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"FIELD DAY 1966"

By K9STX, PP.

For the benefit of the more recent hams, as well as, some of the older hams, a review of the purposes of Field Day is in order. It is a twenty-four hour period in which organized radio clubs and individuals may demonstrate their capabilities for emergency communications. As a means of stimulating interest, and participation, the ARRL has focused this activity on the last weekend of June, which will be June 25th this year. Participation has been made competitive with emphasis and bonus points given to the groups operating under conditions most nearly equivalent to emergency operation. Point multipliers are given for operating with emergency power sources (gasoline generators, batteries etc.), low power equipment, origination of special messages, etc.

Participation in Field Day should not be confused in any way with the various contests which stimulate the activity of only a particular group of Amateurs with similar interests. Field Day is designed to stimulate an interest of basic necessity of all Amateurs since that function is one of service. If we, as Amateurs can not fulfill this function, we should consider taking up the hobby of collecting match covers or Dewey buttons.

Our 1966 Field Day operations are going to be as successful as your participation. As Field Day Chairman, I have appointed various members of our club as sub chairmen of various phases of Field Day. They will require your help and assistance. This should not be taken as a limiting assignment, but rather one in which you can become more familiar with more aspects of Field Day. I am sure that those of you who may be apprehensive of actual operating would find the log keeping quite interesting. There are many similar operations involved in Field Day. It should also be emphasized that participation in the entire twenty-four hour period is not essential. Three or four hours spent at the Field Day site is certain to be an interesting experience.

Look for final details in your next issue of SPARKS.

Remember W9FHA? His new address is now Capt John D Small, FV3118182 CMR Box 2, E-20, APO San Francisco, California 96334. I am sure John would like to hear from his old friends. John was a fine CW operator and spent many an hour in different ARRL Contests such as Sweepstakes.

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TRI STATE AMATEUR RADIO SOCIETY, Inc.

May Officers and Board of Directors Meeting.

May 17, 1966.

Lighthouse, Second Avenue and Virginia St.

Officers present: Ralph Greene, K9JCY Pres, Lea LaVanchy W9LXA Vice Pres, Clifford McGuyer, W9DGA PP, Secty, Hank Galbraith W9RDJ PP, Dir, Sam Arthur, WA9JZX Dir, Herb Muth, W9NZC Dir, C Robertsen, W9MKZ Dir, Paul Wurtz, K9JSK PP.

Others present included K9PNJ PP, Prog Chm, K9STX PP, FD Chm, K9QWV PP, Hamfest Chm and WA9HGA, Hamfest Co-Chm.

Pres K9JQY called meeting to order at 730PM. The pres thanked K9STX for accepting the Field Day Chairmanship.

Secty W9DGA read minutes of past meetings and were approved as read. The Secty read correspondence from ARRL re Hamfest announcement to appear in QST. The Secty presented copies of the letter (with 14 copies) to the FCC re objections to Docket 16474 as requested by the membership at the April meeting.

K9STX gave a report on the coming Field Day to be held at the Robinson Conservation Club in Peasey County June 25 and 26. On motion of WA9JZX "\$50 be allocated for Field Day expenses," seconded by K9JSK. Motion carried. On motion of K9JSK "The June meeting be advanced one week to June 23 and be a Field Day Kick-Off Meeting. The XYLs to be invited and coffee and donuts served. The Officers-Board of Directors meeting to be moved up one week to June 14." Motion seconded by WA9JZX. Motion carried.

Hamfest Chm K9QWV made report of Hamfest plans to date and asked for guidance on the amount of money to be spent on prizes at the Hamfest for this year. On motion of W9MKZ, "That \$300.00 Dollars be expended for Hamfest Prizes," seconded by W9LXA. Motion carried.

K9PNJ stated TARS had traditionally handled Communications for the "Armed Forces Day Parade" and asked if anyone had been contacted as yet. K9QWV said he thought W9OG, the Emergency Coordinator had been contacted and was making the arrangements.

Program chm, K9PNJ announced that the May meeting program will be "Memory Computers" by Charles Hargis, K9TCG. In the near future, Paul Wurtz K9JSK will give a talk on "Transistors".

K9PNJ, Chm of the "PA system for the Blind" reported that \$285 had been collected to date, and it looked as if this was going to be the final figure. It was agreed one more blank be printed in SPARKS to allow for the last minute donations to be made. He also stated bids for the materials would be opened May 31 and the equipment purchased shortly thereafter.

K9PNJ reported on the "Cradle" for the Club Generator. One is now available and will be purchased for \$12.50. The pres complimented K9PNJ on his good work on all the committees.

Pres K9JQY reported on contacting the CD Comm and Radio Officer W9UMS. It was stated that RACES license would once again be approved for local amateurs by W9UMS. K9STX stated that he had ordered the necessary forms from the FCC so all could get their RACES license again.

The Secty stated that the April Board of Directors meeting had agreed that the liability limits of the club insurance should be doubled. At the April membership meeting the membership agreed that the Board of Directors should handle matters such as this. K9PNJ and W9DGA brought out the near possible injury law suit against the club after the last Hamfest and suggested that the limits be doubled. After discussion, WA9JZX made motion, "That the liability limits of the club insurance be doubled as as to be effective before Field Day." Motion seconded by W9RDJ. Votes cast were 2 yeas and 5 nays. Motion failed. After further discussion, the pres appointed a committee, "To investigate the insurance that the club now has, and to take steps to see that the liability limits of the club be adequate to protect the club membership and to make recommendations at the next Board Meeting (June 14) and to be effective before the next Field Day." This committee includes W9NZC as Chm, W9RDJ and K9JSK.

W9DGA suggested that the business at regular meetings be kept to a minimum. K9QWV stated that the constitution says all business is to be conducted by the Board of Directors and he agreed that the business should (Cont'd next page)

MINUTES, Cent'd. be kept to a minimum. Immediate Past President K9PNJ outlined how a president could reduce the business time at a meeting. K9STX said some clubs use an alarm clock set for 30 minutes, then when the alarm goes off, no more business. After lengthy discussion the Pres stated he would reduce the time spent on business at meetings. One suggestion was that the minutes of the meetings and the Treasurers Reports should be published in SPARKS and dispense with such readings at the meetings (Ed. This is why the minutes are printed in SPARKS this month and following months.)

The Pres stated he was contacting some of the Past Presidents with the idea of planning on prospective Officers for the coming year.

Meeting adjourned at 920 PM.

S/Clifford McGuyer, W9DGA PP, Secretary.

"LAST CALL FOR CONTRIBUTIONS"

Please accept the following contribution for a P.A. System project for the Evansville Association for the Blind.

Amount \$ _____

Name _____ Call _____

Address _____ City _____

"MEETINGS AND PROGRAMS"

By K9PNJ PP

The regular meeting of the Tri State Amateur Radio Society will be held Thursday May 26, 1966, at the "Lighthouse", Second Avenue and Virginia Street starting promptly at 730 PM. The program will be given by Charles Hargis, K9TQG. His subject will be "Memory Computers".

In the near future, Paul Wurtz, K9JSK will give a talk on "Transistors." The June meeting will be moved up one week to June 23, 1966 on a Thursday and will be a "Field Day Kick-Off" meeting. Films of all the past Field Days will be shown. All the XYL's will be invited and Coffee and Donuts will be served.

After each meeting, W9RDJ PP will conduct code practice. Certificates are being received from ARRL to be given out to club members who pass code tests. Hank has worked hard on this code practice idea, so lets all help him out. He don't need the practice, do you? It is there for you, rest up to you.

"ARA NEWS"

By Dorothy McGuyer

The April Founder's Day Dinner was held at the Brenner Party House. Each member brought a covered dish with the club furnishing the fried chicken deliciously prepared by Betty Miller and assisted by your reporter. My grateful thanks to all members who made their own favors--(thinking it was one of my previous church commitments I was unable to complete.) They were dainty, colorful flower decorated containers for the removal of make-up. Also thanks to Mary Wurtz, Dorothy Green and Betty Miller who met at my home one afternoon to make favors for the men--clever lint brushes. Since Mary was more familiar with the procedure, she made the majority. Thanks are also in order to Mary and Dorothy for decorating the tables. In view of the "left overs" every one certainly enjoyed the feed.

Betty Miller, president, welcomed all. She and Ray were able to secure some Railroad films from the various lines showing some of the most scenic and interesting vacation places in our country. Ray showed the films and it seemed as we were traveling right along with the people on the train.

ARA NEWS cont'd

Some of us reminisced while others were gathering ideas. Our thanks to Ray for showing the beautiful films which were enjoyed by all. The companies also provided various favors some of which included place mats, napkins, chef's hats and many others. Our center pieces were miniature trains. We also played bingo which climaxed the party and are all looking forward to our next social event.

The May meeting was held at the home of Jeannette Covert. This was a "white elephant" auction--and what a variety we assembled as a group. Helen Cox made a most capable auctioneer. Besides having a lot of fun, we felt our proceeds were well worth the effort. One thing we did discover--some of us are either going to have to lose weight or gain it because some mighty pretty dresses are going elsewhere.

The attendance prize was won by Dorothy McGuyer and the hostess gift by Dorothy Green.

Delicious pecan pie was served by our hostess who also kept us well supplied throughout the evening with snacks.

The ARA extends sincerest sympathy to Dorothy Green in the loss of her Grandmother and to Bob Fink and Ray Miller whose Aunts passed away recently.

Thought this might be an item of interest--"The Bisen" which is published for the Indiana Radio Club Council mentioned our auxiliary in one of their issues including some of our activities.

W9FJI at Princeton is handling messages to Viet Nam from the Potter Brumfield Company employees. Fred put a message blank in the "Relay-Ter" their company paper and transmits the messages on the Indiana Army Mars network. Fred also received very fine credit for a job well done in getting a special relay to a customer. Fred is a sales correspondent for Potter Brumfield Company.

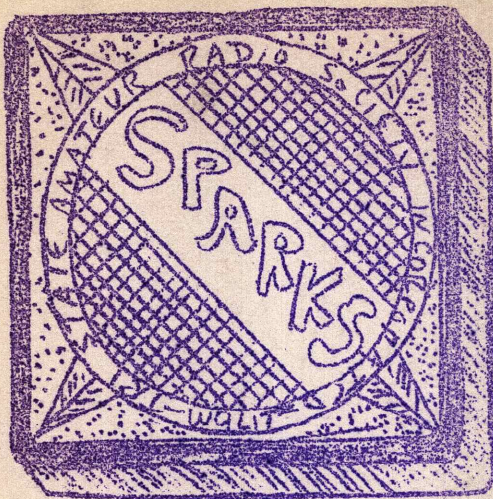
By order dated April 25, 1966, the Federal Communications Commission has relaxed its requirements for filing a change of name or of mailing address only. Effective May 20, 1966 if only the name or the mailing address has changed, the amateur may send a letter to the FCC, Gettysburg, Pennsylvania 17325 setting forth the changes and keeping a copy of the letter with his license until the next renewal. Where the transmitter location is changed or the trustee of a club station is replaced, formal notification on Form 610 is still required. The fee for modification is two dollars and for a new trustee four dollars. Full details will appear in June ST.

"FCC REVISES LICENSE EXAMINATIONS"

The Federal Communications Commission has announced that Element 3 of the Commercial Operator Examination has been revised. The revised version has been in use since January 31, 1966. Element 4 is now being revised, and the revised version will be put into use at some future date.

Students--and others--interested in taking the FCC examination for Commercial Radiotelephone or Radiotelegraph Operator Licenses should write their local FCC Field Offices requesting a copy of the latest Supplement to the "Study Guide and Reference Material for Commercial Operator Examinations." This Supplement includes questions similar to those in the Elements that have been revised.

The governments of the United States and Paraguay have entered into a reciprocal operating agreement, similar to those already adopted between the U.S. and Australia, Belgium, Bolivia, Canada, Colombia, Costa Rica, the Dominican Republic, Ecuador, Luxembourg, Peru, Portugal, Sierra Leone, and the United Kingdom.



TRI STATE AMATEUR RADIO SOCIETY, INC.

Published monthly by the Tri-State Amateur Radio Society, Inc., as its official organ.

JUNE 1966

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Affiliated with the American Radio Relay League and the Indiana Radio Club Council.

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Herb Muth, W9NZC Advertising Manager. 4230373

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Evansville, Indiana 47714.



Clifford McGuyer
2900 E. Oak St.
Evansville, Indiana

L9DGA

MEETING
JUNE 23 - LIGHT HOUSE
FIELD DAY JUNE 25/26

"THE PRESIDENTS CORNER"
By K9JQY
SOME THOUGHTS ON THE NEW MATHEMATIC

Charles, K9TQG gave us a very interesting, technical talk last meeting. In our opinion, here is a young man who became interested in electronics through Amateur Radio, and he is on his way to a good career. There was considerable interest shown in the binary number system or numerals with base two. This system is called binary because only the numerals 0 and 1 are used. Charles showed how the binary system was used in computers, etc. I shall take this opportunity to make a few comments on the Math that is being taught in our schools today. If you have a youngster in school you have had your baptism of fire. In my talks to school men there is mixed feeling about the new math, some for, some against. The math teachers to whom I have talked seem to like it. They say the students like it generally, the good students do very well, and the slow students make better progress than in the math formerly taught. There will be some changes made, and these will come along quickly. Enough to say that the new math is geared to the computer age, and students in our community schools are being taught terms and processes formerly found in the colleges or universities.

Our number system: 0,1,2,3,4,5,6,7,8,9 was given to us by the Moors who invaded Western Europe before the middle ages. It is called the Hindu-Arabic Number System. We use the number system known as base 10. I shall take the numeral 144 base 10 and show how it is written in the following bases; 2, 5, 8, 10, and 12. If you will recall your high school algebra in the use of exponents to express the power of a numeral or how many times a numeral is multiplied by itself. For example $2^2=2 \times 2$, $2^3=2 \times 2 \times 2$, etc. Any numeral with exponent 0=1, as $2^0=1$. In numerals with base 10 we count, beginning with the decimal and counting to the left; units, ten, hundreds, thousands, hundred thousands, etc. These periods are the powers of 10 from 10 to the 0 power to 10 to the 4th power, or $10^0 \dots 10^4$, or 1....10,000. Numerals with the other bases have similar periods but instead of a power of 10 they have the power of the numeral whose base is being considered.

The general formula is... $b^5 b^4 b^3 b^2 b^1 b^0$ where...bxbxbxbxb bxbxbxb bxbxb bxb b 1. b=base of numeral in question. The table below gives the values of powers of the numerals used in the bases considered.

Base= value of the power to which the base numeral is raised.

base $b^7 + b^6 + b^5 + b^4 + b^3 + b^2 + b^1 + b^0$
3 128 64 32 16 8 4 2 1



5		125	25	5	1
8			64	8	1
10			100	10	1
12			144	12	1

There will be as many numerals in the numerals of the various bases as the highest power included within 144, the numeral with base 10 to be written in other bases than 10.

There are two numerals in base 2; 0 and 1. Referring to the table 128 or 2^7 is the largest numeral included within 144, and there will be eight numerals in 144_{10} expressed in base 2. The divisors are 128, 64, 32, 16, 8, 4, 2, 1.

$144 - 128 = 1 \text{ r } 16$
 $0 - 64 = 0 \quad 144 = 10010000$
 $0 - 32 = 0$
 $16 - 16 = 1$
 $0 - 8 = 0$
 $0 - 4 = 0$
 $0 - 2 = 0$
 $0 - 1 = 0$

Proof
 $128 \times 1 = 128$
 $16 \times 1 = 16$
144

PRESIDENT, Cont'd.

Base 5. There are five numerals in base 5; 0,1,2,3,4. Refereing to the table 125 or 5^3 is the largest numeral included within 144, and there will be four numerals in 144 expressed in base 5. The divisors are 125, 25, 5, 1.

$$\begin{array}{rcl} 144-125=1 \text{ r } 19 & 144 & 103_4 \\ 0-25=0 & & 125 \times 1=125 \\ 19-5=3 \text{ r } 4 & & 25 \times 0=0 \\ 4-1=4 & & 5 \times 3=15 \\ & & 4 \times 1=4 \\ & & \hline & & 144 \end{array}$$

Base 8. There are eight numerals in base 8; 0,1,2,3,4,5,6,7. Refereing to the table 64 or 8^2 is the largest numeral included within 144, and there will be three numerals in 144 expressed in base 5. The divisors are 64, 8, 1.

$$\begin{array}{rcl} 144-64=2 \text{ r } 16 & 144 & =220 \quad \text{Proof} \quad 64 \times 2=128 \\ 16-8=2 & & 8 \times 2=16 \\ 0-1=0 & & 0 \times 1=0 \\ & & \hline & & 144 \end{array}$$

Base 10. There are nine numerals in base 10. Referring to the table 100 or 10^2 is the largest numeral included within 144, and there will be three numerals in 144 expressed in base 10. The divisors are 100, 10, 1.

$$\begin{array}{rcl} 144-100=1 \text{ r } 44 & & \text{Proof} \quad 100 \times 1=100 \\ 44-10=4 \text{ r } 4 & & 10 \times 4=40 \\ 4-1=4 & & 4 \times 1=4 \\ & & \hline & & 144 \end{array}$$

Base 12. There are ten numerals in base 12. They are 0,1,2,3,4,5,6,7,8,9. Referring to the table 144 or 12^2 is the largest numeral within 144 and there will be three numerals in 144 expressed in base 12. The divisors are 144, 12, 1.

$$\begin{array}{rcl} 144-144=1 & & \text{Proof} \quad 144 \times 1=144 \\ 0-12=0 & & 0 \times 12=0 \\ 0-1=0 & & 0 \times 1=0 \\ & & \hline & & 144 \end{array}$$

Seventh graders do this kind of work in the early part of the school year. The advanced classes are introduced to the new math for the first time find the adjustment somewhat difficult. As the youngsters advance through the grades there will be some very good math students in our schools.

---73 K9JQY, President TARS---

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→ "LOTS OF LUCK ON FIELD DAY TARS" ←

"FIELD DAY 1966"

BY K95TX, PP.

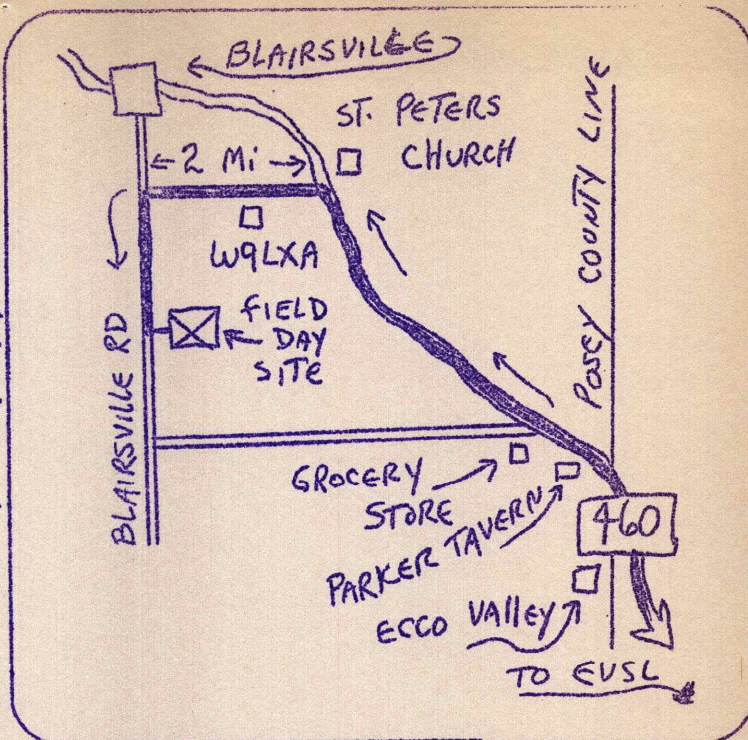
Don't forget Field Day, June 25 and 26th this year. The location will be at the Robinson Conservation Club as shown in the map. W9RDJ and W9DGA will be in charge of operations. W9LXA will be in charge of getting the equipment set up and taken down. K9JQY and WA9ADU are in charge of the food supply for the gang. W9UMS will take care of equipment transportation and K9QLB is checking out the condition of the equipment. These people are working hard at their respective jobs, but the success of our Field Day is going to depend on the extent that the rest of the Club wishes to participate in it. These fellows can not and should not be the entire FD for TARS.

Be sure and attend the meeting Thursday, June 23 and see films of past Field Day Operations. Full information on operation and the entire activity will be given. -- K9STX PP, Chairman, Field Day --

Minutes, Regular Meeting, May 26, 1966, Lighthouse.

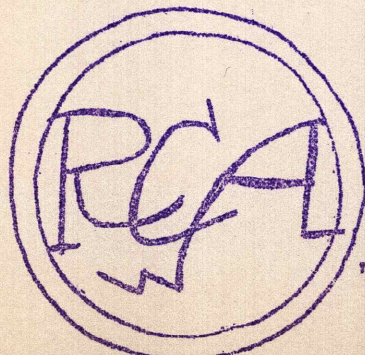
Officers present: W9JQY Pres, W9LXA V-Pres, W9DGA Sec, K9LAU Treas Elect, and Directors, K9JSK, W9MKZ and W9NZC. President K9JQY called meeting to order at 730 pm with 20 persons in attendance. Secty read minutes of the April meeting. Minutes of the April meeting and minutes of the May Board of Directors meeting as printed in "Sparks" were approved. The membership was in agreement that all future minutes of all meetings and Treasurers reports should be printed in "Sparks" and not read at regular meetings to save time and cut down on business at regular meetings.

K9STX gave report on Field Day. K9STX reported that RACES license would be approved by W9UMS and passed out FCC Forms 481-1. (Cont'd next page)



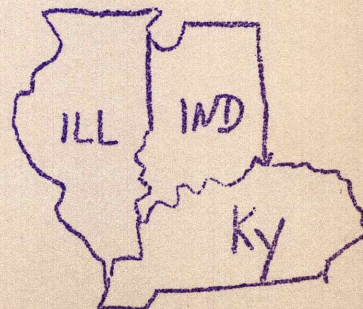
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AND MUCH SUCCESS"



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Owensboro, Ky.

MINUTES, Cont'd. The completed forms are to be mailed directly to W9UMS.

K9PNJ reported on the "PA System for the Blind." Earl stated work may be started on the project before the next regular meeting.

K9QWV reported on Hamfest progress. Don reported that there would be 3 large prizes and 5 or 6 other smaller prizes. The membership was in agreement that we should not have too many smaller "junk prizes". The first prize will cost about \$150 second about \$75 and the third about \$50 with other smaller prizes totalling about \$25.

W9NZC gave report of the "Insurance Committee." Herb reported that for about \$2.50 additional our insurance liability limits could be increased from \$50,000 to \$100,000 and from \$100,000 to \$300,000. The committee recommended the increased insurance limits. On motion of K9PNJ, seconded by K9JSK this additional insurance limits be obtained effective June 14, the date of the new policy. Motion carried.

Meeting adjourned at 748 pm and meeting turned over to the Program Chairman K9PNJ who introduced Charles Hargis K9TQG who gave an excellent talk on "Memory Computers" and an explanation on the "Binary System." *-W9DGA--

"Minutes, Board of Directors Meeting June 14, 1966, Lighthouse."

Officers present: K9JQY Pres, W9LXA V-Pres, W9DGA Secty, W9OG Treas, K9LAU Treas elect, Directors W9RDJ, WA9JZX, W9NZC, W9MKZ, K9JSK and W9WNM. Also in attendance were K9QWV, Hamfest Chm and K9STX Field Day Chm. 100% attendance was registered for the Officers and Board of Directors.

Meeting called to order by President K9JQY at 730 pm with 13 members present. Secty read minutes of past meetings and was approved as read. Treasurer gave treasurers report which showed a balance of \$1,404.29 and was approved as read.

On motion of W9OG, "that \$10 from the club treasury be donated to the "PA for the Lighthouse" fund. Motion seconded by W9WNM and carried.

Final Field Day plans were discussed by K9JQY and K9STX. Program for the June meeting will be a "Field Day Rally" with films of past Field Days shown by W9OG. The XYL's will be invited and Coffee and Donuts will be served.

K9QWV inquired if the club had a TVI Committee as he has been receiving a number of TVI complaints. After some discussion it was agreed that we had no TVI committee as such. After additional discussion on "if we should have a TVI committee", W9WNM made motion the subject be taken under advisement to be discussed at the next Board Meeting. Motion seconded (Cont'd next Page)

"FIELD DAY SPECIALS"

Globe "Scout" Transmitter	\$49.50
Eico 90 Watt Transmitter	69.50
Viking Transmitter	125.00
B & W Transmitter - Looks Like new	200.00
HT-40 Hallicrafters Transmitter	79.50
Philmore Transmitter	19.95
Conset SSB Transmitter - Used very little, reg \$400 - New	285.00
P & H Linear - built in power supply	150.00
NC-300 Receiver	199.50
HQ-110-A Receiver	199.50
S-118A Hallicrafters Receiver - NEW -	94.95
S-120 Hallicrafters Receiver - NEW *	69.95
Messenger Ten Meter Tranceiver - Reg 139.95 - New	100.00
NC183D Receiver	189.50
Knight Transmitter - 50 watts -	39.95
Swan 140	For Sale
ARRL Handbooks, call books, Sma's books - All in stock -	
<u>"PARTICIPATE AND ENJOY FIELD DAY"</u>	

The Hams Store, C A S T R U P ' S, 1014 W Franklin St, 422 7618.
Evansville, Indiana.

MINUTES, Cont'd. by W9IXA and carried.

President K9JQY appointed W9MKZ and himself to audit the Books of the outgoing Treasurer and take care of the Bond for the new Treasurer.

Meeting adjourned at 845 pm.

--W9DGA Secretary --

"EVANSVILLE BLIND ASSN P A S PROJECT" By W9OG, PP.

Total estimated cost	\$400.00
21 cash contributions rcvd to date	320.00
Additional funds needed	<u>\$ 80.00</u>

The above does not include the many hours Chairman K9PNJ PP and his Committee have worked in the planning, preparation, and actual installation of this PA System. If you have contributed cash to this project and your contribution has not been acknowledge by the Blind Assn, please contact K9PNJ or W9OG immediately.

"TARS FINANCIAL STATEMENT"

By W9OG PP, Treasurer. (6/14/66)

Cash, Balance per books 1/1/66

\$1,274.51

RECEIPTS

Dues	\$112.00
Sparks Advertisements	108.00
Sparks Subscriptions	2.00
Members QST	22.50
Club Directory	.35
Auctions	<u>8.25</u>

253.10

\$1,527.61

DISBURSEMENTS

Meetings	8.35
Supplies	4.00
Sparks	33.07
ARRL QST	22.50
Hamfest	30.00
Fees and Taxes	1.00
New Club Property (Generator Cradle)	12.50
Misc.	.50
Transmitter Hunt	5.29
Awards	2.86
Donation- Evsl Assn Blind, Postage	<u>3.25</u>

123.32

\$1,404.29

Bank Ballance May 13, 1966

1,323.07

Deposit June 9, 1966

91.50

\$1,414.57

Less Outstanding Checks

10.28

\$1,404.29

"AMATEUR RADIO AUXILIARY NEWS"

By Derethy McGuyer

The June meeting was held at Central Turners with Evelyn Galbraith as hostess. We were happy to have her sister, Gladys Schafer as a guest. The hostess made provisions for a most delightful "snack tray, coffee and desert" which we thoroughly enjoyed throughout the evening. Thanks to Evelyn for a wonderful meeting!

Our treasurer reported our "white elephant auction" held in May netted \$19.80. We are saving our "trades" for next year, too!

The ARA contributed \$25.00 toward the TARS project of furnishing and installing a PA System for the Blind Association.

The hostess prize was won by President Betty Miller and the attendance dollar by Anna Mary Fink.

(Cont'd next page)

TARS "Field Day" will be the weekend of June 25th. As usual, ARA members will be present for the Saturday night basket dinner. All food is served from one table and we enjoy sampling other's specialties. Each family brings their own table service. Serving will begin promptly at 6:00p.m. We hope many families will participate in this annual event.

We wish to express our congratulations to the former Ruthanne Scheettlin upon her recent marriage to Thomas E. Otto. She is the eldest daughter of Ruth and Al Scheettlin.

We are especially happy to report Earl Green's hospital stay in Indianapolis was brief and tests were negative. We can appreciate Dorothy's concern and her elation in being able to have him home again so soon.

At this writing, Mary and Paul Wurtz have moved into their new home. As we well know what moving involves, we sure hope to see Mary and Paul at Field Day.

"JUNE MEETING"

By K9PNJ PP, Program Chairman

The regular June meeting of the Tri State Amateur Radio Society will be held one week earlier than normal due to "Field Day." The meeting will be a "FIELD DAY RALLY" and be held on Thursday June 23 at the Lighthouse for the Blind starting promptly at 730 pm. W9OG will show films of all past TARS Field Days. The XYL's are invited to attend and Coffee and Donuts will be Served. Don't forget "Field Day" June 25 and 26.

Par 97.13 Renewal or modification of operators license.

(d) Applicants for renewal and/or modification of an amateur operator license shall be submitted on FCC Form 610 and shall be accompanied by the applicant's license. Application for renewal of unexpired license must be made during the license term and should be filed within 90 days but not later than 30 days prior to the end of the license term. In any case in which the licensee has, in accordance with the provisions of this chapter, made timely and sufficient application for renewal of an unexpired license, no license with reference to any activity of a continuing nature shall expire until such application shall have been finally determined.

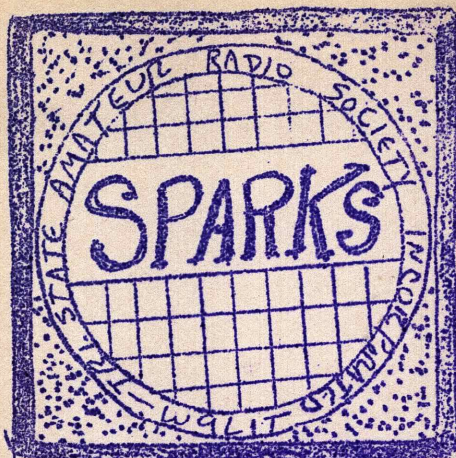
(f) When the name of a licensee is changed or when mailing address is changed a formal application for modification of license is not required. However, the licensee shall notify the Commission promptly of these changes. The notice, which may be in letter form, shall contain the name and address of the licensee as they appear in the Commission's records, and the new name and/or address, as the case may be, the radio station call sign and class of operator license. The notice shall be sent to Federal Communications Commission, Gettysburg, Pennsylvania, 17325, and a copy shall be kept by the licensee until a new license is issued.

9. Section 97.47 is amended by amending paragraph (a) and by adding paragraph (c) with a Note to read:

Par 97.47 Renewal and/or modification of amateur station license.

(a) Application for renewal and/or modification of any station license shall be submitted on FCC form 610. In every case the application shall be accompanied by the applicant's license. Applications of renewal of unexpired licenses must be made during the license term and should be filed within 90 days but not later than 30 days prior to the end of the license term. In any case in which the licensee has, in accordance with the provisions of this chapter, made timely and sufficient application for renewal of an unexpired license, no license with reference to any activity of a continuing nature shall expire until such application shall have been finally determined.

(c) When the name of a licensee is changed (without changes in the ownership, control, or corporate structure), or when mailing address is changed (without changing the authorized location of the amateur radio station) a formal application for modification of license is not required. However, the licensee shall notify the Commission promptly of these changes. The notice may be in letter form and containing the old and new address.



TRI STATE AMATEUR RADIO SOCIETY, INC.

Published monthly by the Tri-State Amateur Radio Society, Inc., as its official organ.

JULY 1966

AMATEUR RADIO W9LIT

Affiliated with the American Radio Relay League and the Indiana Radio Club Council.

Clifford C McGuyer, W9DGA PP Editor. 476 67483

Herb Muth, W9NZC Advertising Manager. 423 0373

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Clifford C McGuyer, W9DGA PP Secty.
2900 East Oak Street 476 7488

Jack Young, K9LAU Treasurer.
1715 Madison Avenue. 476 88127

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502 South Lincoln Park Dr. 476 8378

Paul Wurtz, K9JSK PP 1966-1967

3404 Stratford Road. 423 8786

Harold McClellan, W9WNM 1966-1967

781 Cardinal Drive. 423 5184



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2900 East Oak Street
Evansville, Indiana. 47714.

Clifford McGuyer
2900 E. Oak St.
Evansville, Indiana

L9DGA

MEETING
JULY 28 - 730 PM.
LIGHT HOUSE

Field Day 1966 for TARS, is a matter of record, and its accomplishments can be entered into the log as "mission completed." The Robinson Township Conservation Club is an ideal place for Field Day, and its equal would be difficult to find in the Evansville area. The weather was ideal, and full advantage was taken for the outdoor facilities present including the canopy for the operating area, the shelter-house, the well of good water, the parking area, the room for antennas, etc. Several who brought their bunks or cots pitched them under the stars; however a blanket towards the morning to ward off the dew, helped. This location is so favorable that operations could have been held even in bad weather.

The success of our FD was due to its organization and the fine spirit of co-operation and help of those present. A hearty thankyou is in order, and it is difficult to know where to begin. If any name is left out who was present and whose work made our FD a success, a hearty thank you before we begin to mention names. These thank you's are in order for K9STX for his fine organization as chair for his general supervision of all the activities. To W9UMS for making the CD equipment available. To W9DGA and W9RDJ for their general all around work, including their supervision of operations. They were the first to arrive and the last to leave. To WA9GLL, WA9HCS and W9OG, K9LAU, K9PNJ, K9PAR, W9MKZ, W9NZC, W9AIN and many others. What would a FD be without Fay, W9AIN, the "Dean of Hams" in our area. What would BD without Fay, without his willingness to help, to take care of and store the gear along with W9OG? Who would have thought of a latter except Fay? To Les, W9LXA with his ever ready pick up truck. If a tube, frying pan or what have you is needed, les is ready for the job. To K9JSK and W9BBN with their good counsel and pleasant personalities. To the "Ole Doc" W9YZO whose presence was enjoyed. How lucky the club is to have Doc on its roll. In an emergency he would be there, and if the CW gets too hot for the boys just turn it over to Doc. To WA9HGA, W9VZX, K9QLB, W9AZK & YL and others.

Now here is a big hand for the XYL's and a well deserved 88's for their bountiful spread of food and refreshments for Saturday supper, a spread fit for a king and queen. Betty as president of the Ladies Auxilliary, and these other XYL's, Galbraith, Fink, Wurtz, Green, Greene, Young, Johnson, McGuyer, LaVanchy and YL Rickets. They are nice to have around for emergency operations. Evelyn Galabraith and Dorothy McGuyer were there around the clock. Here is a fellow that must not be left out for his devotion to the cause and for his promise that he would get breakfast Sunday morning. He rose early and got breakfast for the hungry hord. That person is WA9ADU. With a tasty breakfast the crew went back to work with renewed vigor. Thanks.

Thanks to Dorothy and Evelyn who helped clean up the place and to leave things in order. Over the long haul our FD was a success with a creditable score. True, there were some difficulties, some drawbacks, some dissapointments, but these things usually happen on FD. Les saved the day by supplying two much needed 6146's. More help was needed in operating. As a future suggestion, more FD operators are needed and a director is needed to implement the schedule that is set up.

Again thanks to the whole gang for making our FD a success.

"PUBLIC ADDRESS SYSTEM PROJECT FOR EVANSVILLE BLIND ASSOCIATION"

By W9OG, PP.

The system has been completed and is in operation. Total cash cost was \$403.30, of which amount \$325.00 was paid by individual amateurs, \$23.30 by the Club and \$55.00 by the Blind Association. The value of the installed system is in excess of \$1000.00. Contributors, the hams who built and installed equipment, the Club and Earl Green K9PNJ PP are to be thanked for their generous assistance.

"PUBLIC OFFICE IS A PUBLIC TRUST - AND SO TO SERVE TARS IS A HIGH PRIVILEGE"

"Minutes, Regular Meeting, June 23, 1966. Lighthouse"

Officers present: K9JQY Pres, W9DGA Secty, W9OG Treas, K9LAU Treas-elect, and directors W9RDJ, WA9JZX, W9NZC, K9JSK. Pres K9JQY called meeting to order at 730 pm with 22 persons in attendance. This included 7 lady visitors. The Pres introduced all visitors at the meeting.

Pres K9JQY announced the ladies of the Auxiliary donated \$25 to the "PA System for the Lighthouse." On motion of W9RDJ seconded by WA9JZX, "minutes of previous meetings and treasurers report as printed in the June issue of Sparks be accepted as printed. Motion carried.

K9PNJ announced that the "PA system" for the blind was complete with the exception of the amplifier. W9MKZ is in the process of wiring a radio tuner. WA9JZX reported the equipment worked fine. K9PNJ reported the cradle for the generator has arrived and will be installed on the club generator before Field Day.

Pres K9JQY announced the appointment of a nominating committee for "Officers and Directors" for 1967. W9AIN Chairman, with W9GFS, W9HX, W9RBV, W9UMS and W9JFJ as members.

Meeting adjourned at 7:50 pm, and turned over to the Program Chairman, K9PNJ. W9OG showed films of past TARS Field Days. Coffee and Donuts were served. -- W9DGA PP, Secretary --

"INDIANA SESQUICENTENIAL CERTIFICATE" -- By Pres. K9JQY

Roberta, K9IVG, SCM, for Indiana made an announcement on the Indiana Nets as follows: An Indiana Sesquicentennial Certificate will be available for those amateurs who contact ten Indiana hams before January 1, 1967. QSL cards must verify the contacts in addition to certification by two other Indiana amateurs. On request, an application will be sent to any amateur together with a number of QSL cards. (It is our understanding that the QSL cards will be furnished free. It would be advisable to check this item if you think it necessary). There is no charge. The project will cost about \$190. Donations of one or two dollars will be accepted. This expense will be met by the person's name that appears below. Address mail for applications and additional information is William G Bradburn, K9KCQ, 5030 West Vermont, Indianapolis Ind. 46224. -- K9JQY Pres TARS --

"IN UNION THERE IS STRENGTH, DIVIDED, WE DONT DO MUCH" - K9JQY -

"HOT BARGINS"

NC-60 "B" Receiver	49.95
Viking Transmitter	125.00
Heath DE-100 Transmitter	100.00
NC-300 Receiver	199.50
NC-270 Receiver	199.50
NC-183-D Receiver	189.50
Knight 50 Watt Transmitter	39.50
P & H Linear Amplifier	150.00
S-108 Receiver	110.00
SX-117 Receiver	250.00
HQ-110-A-C Receiver - Like new -	199.50
Elmac Mobile Transmitter - VFO -	75.00

Come in - We have many more clean units - such as SB-33, Conset GSB-100, Swan 140, Pacemaker, Geloso, Thunderbolt, Match Boxes, VFO's, Eico's, Heathkits, Books, Magazines, Test instruments, Yeah!!! I almost forgot the NEW Eico Testers - VOM's with sensitivity of 20 K per volt for only \$12.95. You really should have one of these.

The Hams Store, C A S T R U P * S, 1014 W Franklin St, 422 7618.

"MINUTES - REGULAR MEETING OFFICERS AND BOARD
OF DIRECTORS - LIGHTHOUSE - July 19.
1966

Officers present: K9JQY Pres, W9LXA V Pres, W9DGA Secty, K9LAU Treas, and Directors W9MKZ, W9RDJ, W9NZC, K9JSK and WA9JZX. Also in attendance was W9OG EC, K9STX PD Chm and K9QWV Hamfest Chairman.

Meeting called to order by Pres K9JQY at 730 pm. Secretary W9DGA read minutes of past meeting and was approved as read and printed in Sparks. Treasurer K9LAU gave treasurers report showing balance of \$1,277.24 and was approved as read. K9QWV reported on Hamfest plans. He stated all prizes would be purchased locally.

Discussion was had on whether TARS should have a "TVI Committee." After lengthy discussion K9QWV and W9MKZ volunteered to handle TVI complaints, K9QWV on the west side and W9MKZ will handle complaints in his locality. K9JSK said he would help "behind the scene" due to his business.

Discussions were held to try and determine why membership in the club is falling and why members are not attending meetings. The president said that the same situation was general throughout the country.

W9RDJ said he would conduct "code tests" after the next meeting starting at 5 wpm and up.

Meeting adjourned at 9:20 pm.

--W9DGA Secretary--

"TARS JULY PROGRAM"

By K9PNJ PP, Program Chairman.

TARS will hold an open discussion on radio theory and questions concerning Amateur Radio examinations.

After the meeting, W9RDJ will conduct Code tests beginning at 5 words per minute and up.

"TARS FIELD DAY RESULTS"

W9LIT/9

3.5 mc CW	8	X	6	=	48
7.0 mc CW	86	X	6	=	516
14.0 mc CW	2	X	6	=	12
21.0 mc CW	59	X	6	=	354

Posey County, Indiana.

150 watts

Total QSOs 155 X 6 = 930 Claimed score.

SEE THE NEW EICO

TRU-V-OHM

METERS

TODAYS BEST BUY IN VOM'S
5 MODELS

5.95 - 8.95 - 12.95 - 15.95 - 19.95

WESCO RADIO PARTS

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PHONE 422 2141

FOR SALE: Quartz Crystals- 3735, 7180; Viking Challenger Transmitter; Heathkit-Twoer; Ameco-6 Meter Converter; Hy-Gain Hy-Tower, 18-HT; Johnson Delux Handkey; 10 Meter Hy-Gain 3 element; 2 meter Ground Plane. If interested, contact David Woll, 1350 East Powell, 476-8880.

"AMATEUR RADIO AUXILIARY NEWS"
By Dorothy McGuyer

The July meeting was held at the home of Ruth Schoettlin. We were very happy to have Sybil Green as a guest. Ruth provided us with a wide variety of "goodies" throughout the evening besides serving a delicious desert. We also enjoyed seeing pictures of Ruthanne's wedding and also some of the Miller's pictures--mostly "Major".

The hostess prize was won by the president, Betty Miller whose luck seems to be holding out and the attendance dollar was won by Dorothy Smith.

The ARA extends its sincerest sympathy to Evelyn Galbraith whose mother, Mrs. Venstia Chumley recently passed away.

Dorothy and Kearnie Smith recently had an enjoyable visit with their daughter and her family residing in Iowa City, Iowa. Dorothy also spent a pleasant week-end in St. Louis.

The ARA will be in charge of serving food at the "Hamfest" this year. Available will be hamburgers, hotdogs, potato chips, cup cakes, coffee and soft drinks. There will also be bingo for the ladies with prizes purchased by Betty Miller as in the past. We know they will be just as enticing.

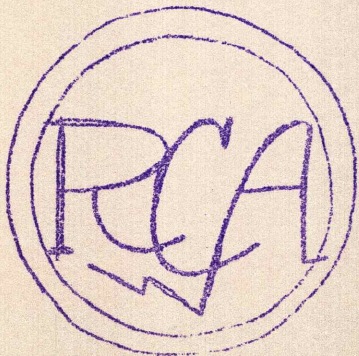
After the business session, place cards were made for the Good Samaritan Home.

We also enjoyed viewing a "field day" film taken by Bob Fink. Also happy to report Mary and Paul Wurtz survived moving and are really enjoying their newly acquired home.

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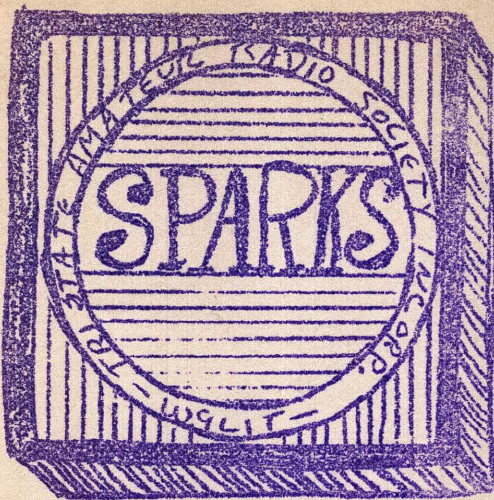
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RR#1, Wadesville, Ind. 985 3530

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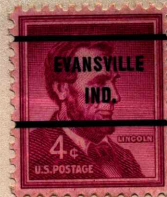
Paul Wurtz, K9JSK PP 1966-1967

3404 Stratford Rd 423 8786

Harold McClellan W9WNM 1966-1967

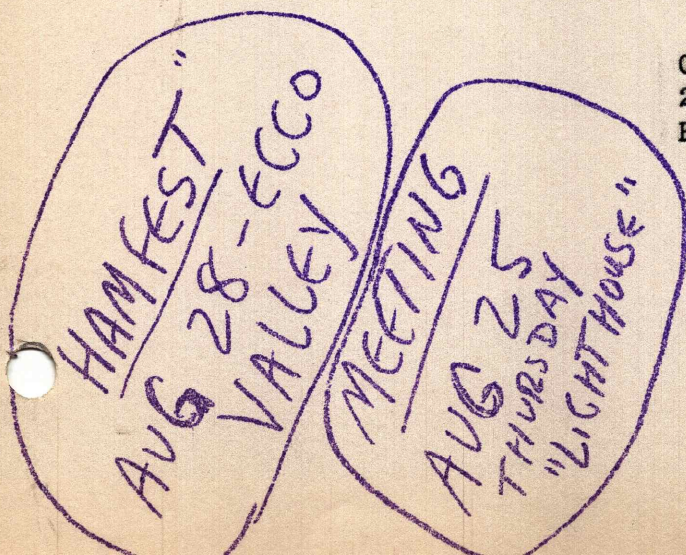
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Evansville, Indiana

L9DGA



Some time ago W9WNM, suggested that we have a program, a kind of rag chew, where any one could bring up any subject of his choice. We tried that plan at our last regular club meeting. It was very interesting, and the fellows seemed to like it very much. W9DGA had eight new questions that had been added by the FCC to the "Novice Examination" as received from the ARRL. The questions were soul searching and challenging for some of us who thought that we were beyond the "novice" stage in amateur radio. They are in, or will be, in the ARRL License Manual. Try them. You can answer them all right, but some will cause you to take a second thought before you are sure of the answer. Perhaps other FCC examinations will be upgraded accordingly.

Another discussion led to filters, high and low pass. What does a low pass filter do? How does a LPF prevent TV or BCI? What does a HPF do? Where on the receiver, should a HPF be installed to give maximum protection against incoming interference? Where should a LPF be placed to give maximum protection against interference? Suppose you have a Xmtr and a transmatch, where do you place the LPF? Another one, a Xmtr, a linear amplifier, and a transmatch, where is the LPF placed? Does a tuned feeder line change the picture? Those are some of the interesting situations that we kicked around and came up with some answers. In later conversation with other amateurs, we do not find universal agreement with some of the answers. Well that's the way it goes. An amateur of long experience told us one time, "if it works it is all right". Would you agree to that statement? We did have fun, and some good ideas were presented.

We had code practice. "Old Hank" was loaded for bear. He had worked hard and on going on taping code from records or some other source, and he gave us the works. Nearly everyone took part, and we believe some copied all the way. Others fell by the wayside. W9DGA said he was trying for 5 WPM, he made it. No one seemed to mind if his neighbor knew how fast he was copying. It was an interesting experiment, and Hank promised that we would be awarded a certificate that would show our results. As I understand it, this certificate will be upgraded with additional proficiency. We would like to see a code exercise of this kind at the close of each club meeting. No doubt, a group of amateurs taking the code test together, taped, should be about the same situation that one would experience at an FCC "code examination." That experience will likely come in handy in the not too distant future. (QSY).

GOOD
LUCK "TARS"
HAMFEST

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TRU - V - OHM

METERS

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\$5.95 - \$8.95 - \$12.95 - \$15.95 - \$19.95

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PRESIDENT, Cont'd. It was generally agreed by the members present that there should be a club meeting in August. We know that this practice has not always been followed in the past during the month that the "Hamfest" was held. However, there was a feeling that K9QWV or WA9HGA would want to make some last minute checks that would help the "Hamfest". Let's all get behind Don and Kenny, and the XYL's and make this Hamfest go. We have a problem this year to put it over. As we all know there are Hamfests all over now. The ads (flyers) will soon be in the mails. Don showed them at a previous meeting, and he has some good ideas. Give the Hamfest a plug over the air when you have a chance. It will do some good.

Attendance at club meetings needs a shot of something. K9PNJ our Program Chairman has presented some excellent programs. We would think that amateurs would go for these programs in a big way. True, we have had some good crowds, and we have had some poor ones in attendance. We have served refreshments at each meeting, with the idea of encouraging attendance, working on the idea that the way to a man's heart is through his stomach. Were not too sure of this statement. Scuttlebut has it hat "W9LXA" makes such good coffee that his XYL has learned about it and now Les has been promoted to that position at home. How about that Les? Some thought that the reason for poor attendance was that we spent too much time in business sessions and not enough time for the prepared program. We reduced the time for business meetings and gave more time for the programs. It didn't help. Here is the Program Chairmans problem. He has some good speakers and technical talks. This person spends considerable time in preparation, and then a small crowd shows up. The speaker feels let down, and we cant blame him. We have the best meeting quarters that we have ever had, "air conditioned" and all the comforts of life. Why don't we have good attendance? That's a good question. We would like to have the answer. We have talked to fellows in other areas, and some of them have the same problem. One ham told us that the way to get a club to work was to get it in debt. We would rather see our club solvent and have good attendance along with it. The simple truth is that we are going through changes in our way of life, and some of them are happening rather rapidly. One time in our lives some of us thought white was white and black was black. Some don't accept our thinking at this time. Let's try our best to have a good attendance at the august meeting, make it a "Hamfest" rally. It is up to the membership. Remind yourself that you have a date for the last Thursday evening of each month. Call some one who you think has not been to club meetings for some time. Look for Xmtr hunts later on this year. Get your gear ready. --K9JQY Pres TARS--

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"MINUTES, REGULAR MEETING, JULY 28, 1966. LIGHTHOUSE"

Officers present: K9JQY Pres; W9LXA V-P; W9DGA Secty; K9LAU Treas; and directors W9RDJ, W9NZC and WA9JZX. A total of 12 persons were present.

Pres K9JQY called meeting to order at 740 PM. Minutes of previous meetings were approved as printed in "Sparks." Treasurer K9LAU made treasurer's report showing a balance of \$1,277.24 which was approved as read. Secty W9DGA read correspondence from ARRL re additional and more difficult questions to be added to the Amateur Radio Novice test.

Hamfest Co-Chairman WA9HGA reported on the "Hamfest". He stated K9QWV has all details taken care of. He will prepare and mail out a "Hamfest Flyer" advertising the Hamfest. W9RDJ will purchase "Hamfest prizes."

Pres K9JQY reported on reactivation of the "TVI Committee." He contacted Ralph Harder the past TVI Committee Chairman who has resigned. Further discussions will be had at the next Board of Directors meeting in August.

Pres K9JQY appointed Ronnie Neal, W9VZX to plan a transmitter "Hunt" for the near future. After a short discussion it was unanimously agreed to have a regular meeting in the month of August to be held at the regular date, August 25. Last minute plans will be made for "Hamfest." The president K9JQY stated he would contact the Program Chairman K9PNJ for a program.

Meeting adjourned at 810 PM after which "Coffee and Donuts" were served by W9LXA. The program was a general discussion of any question and problem any member had. Also "Code Tests" were conducted by W9RDJ. Everyone present participated in the discussions and the code tests. Certificates will be issued by W9RDJ at a latter date. --W9DGA PP Sectry--TARS--

"MINUTES, OFFICERS & BOARD OF DIRECTORS MEETING, AUGUST 16, 1966."

Officers present: K9JQY Pres; W9LXA V Pres; W9DGA Secty; and W9NZC Dir. Also present K9QWV and WA9HGA Cochairman "Hamfest" Comm. Pres called meeting to order at 730pm. Minutes of previous meetings approved as printed in Sparks. Secty read Treas report which was approved as read. Balance was \$1,247.91. K9QWV and WA9HGA gave complete and final report on the Hamfest. Pres K9JQY appointed W9NZC Chm, with K9JSK and K9PAR as a committee to investigate the possibility of TARS having a TVI committee. They are to study the question and report their findings at the Oct 18 Board Meeting. They will advise if a TVI committee should be had and if so the members of the committee. WA9HGA will donate Door Prize and K9QWV will serve drinks at the August meeting. W9DGA.

"HAMFEST BARGAINS"

SX-117 Hallicrafters Receiver, like new -	\$279.50
S-108 Hallicrafters Receiver, like new -	99.50
NC-270 National Receiver, like new -	199.50
NC-183-D National Receiver, nice -	189.50
Gonset SSB Transmitter - used 3 months-New price 499.50 now	285.00
Globe Phone-CW Kit - New -	89.95
Viking Transmitter	125.00
P and H Linear - Built-in-power supply	150.00
HT-40 Hallicrafters Transmitter	79.50
HX-50 SSB-CW-AM Transmitter-Perfect condition	350.00
HQ-110-A Hammarlund Receiver - Just used a few times	199.50
One New HQ-110-A - for -	249.00
New Hallicrafters S-118	94.95
New Hallicrafters S-120	69.95
New Hallicrafters HA-1 Keyer	79.50
Eico 753 SSB Transceiver, Wired -	198.50
Many other items in, like new condition. Come in. Tell us what you want. "Good luck to "TARS" Hamfest.//	

C A S T R U P ' S
1014 West Franklin Street, Evansville, Ind.

"TARS AUGUST MEETING PROGRAM"

The regular August Meeting of the Tri State Amateur Radio Society will be held Thursday, August 25, at the "Lighthouse", Second Avenue and Virginia Street starting promptly at 730 pm.

The program will be a "Round Table Discussion Of Any Problem Relating To Amateur Radio." WA9HGA will donate a "Door Prize" consisting of a 2400 volt, 500 watt power transformer. K9QWV will serve "Soft Drinks."

Final plans will be made and details given out for the "Hamfest" to be held at "ECCO Valley", August 28, Sunday, 1966.

ARRL will have a Frequency Measuring Test, Sept 8. See Page 99 of Sept QST.

<u>Save</u>	<u>"LET'S GET ACQUAINTED SALE"</u>	<u>Save</u>	
<u>USED RECEIVERS</u> - -	<u>USED TRANSMITTERS</u> - -		
Drake 2-B Like New	\$185.	Heath Two'r	\$30.
Drake 2-A Like New	150.	Heath HX-20 SSB	125.
National		Heath HX-20 & HR-10 AS IS	175.
NC 109 LIKE NEW	75.	Heath AT-1	25.
HQ-180 LIKE NEW	195.	Heath AT-1 VFO	10.
		Knight T-150	80.
		Knight T-50	30.
		Apache & SB-10 LIKE NEW	180.
		Gonset G-76 Tranceiver with	
		AC P/S LIKE NEW	175.
		Heath HP-23	28.
<u>NEW IN STOCK</u> - -			
Drake TR-4	\$495.	MARS Phone Patch NEW	25.
Drake RV-4	85.	MARS SWR Bridge NEW	15.
Drake R4-A	340.	AND MORE!!!!	
Drake T4-X	340.		
Swan 350	360.		
Galaxy V	360.		
SBE 34	330.	<u>ANTENNAS</u> - -	
SBL2 Linear	205.	Hy-Gain 4-Element 20 Meter	90.
Swan Mark I Linear	395.	Hy-Gain 3-Element 20 Meter	70.
		Hy-Gain 2-Element 40 Meter	90.
		Hy-Gain Tri-Bander TH3MK2	90.
		Hy-Gain 14AVQ	27.
		AND MORE!!!!	

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"TARS HAMFEST" ECCO VALLEY AUGUST 28 PRIZES BINGO GAMES

Advance registrations \$1.50 - - \$2.00 at the gate. Picnicers will find plenty of tables and shade. Bingo for the Ladies, Games for the kiddies. The following foods will be available: HAMBURGERS, HOT DOGS, POTATO CHIPS, CUP CAKES, COFFEE AND SOFT DRINKS. ECCO VALLEY is just West of the Vanderburgh County Line, in Posey County on Hiway 460 - West of Evansville, Indiana. LOTS OF BIG AND EXCELLENT PRIZES. MAKE YOUR PLANS EARLY TO ATTEND. Sunday August 28. Send in Blank.

TO: Tri State Amateur Radio Society, Post Office Box 492, Evansville, Ind.

Please make _____ Advanced registrations at \$1.50. TOTAL \$ _____

Name _____ Call _____

Address _____ City and State. _____

The following information on Jack Evans, W9HRH is provided by John Harkins, W9WUH. Jack has moved to Florida. His address is 1455 Fiddler Street, Merritt Island, Florida 32952. He left P&B June 24 and arrived in Florida on the 26th. He will look for local hams on 14.3 mcs.

"TREASURERS REPORT" By K9LAU, Treasurer, TARS.

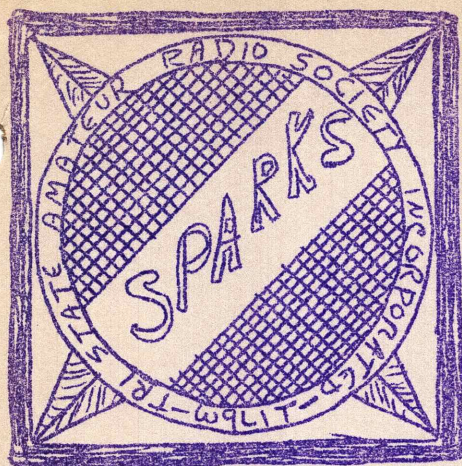
Cash Balance - beginning	\$1,274.51	
Receipts to July 31	269.85	\$1,544.36
Disbursements to July 31		296.45
Cash Balance		<u>\$1,247.91</u>

"FCC UPDATES NOVICE EXAMINATION"

The following questions should be added for complete coverage of current examination for the Novice Class amateur license:

1. How are amateur signals propagated over great distances?
2. International radiocommunications by way of amateur stations is subject to what restrictions(s)?
3. What is the basic usage of a capacitor?
4. For what reasons are height limitations placed on antenna structures for amateur stations?
5. What methods are available for determining whether the transmitter output frequency is within the authorized frequency band?
6. What is the most likely defect of a tube which has proper heater voltage at the socket but which fails to warm up?
7. What precaution(s) can be taken to reduce the possibility of shock hazard in electrical equipment?
8. The plate voltage in the final stage of an amateur transmitter is normally measured between what points in the circuit?

Don't forget that when you are portable or mobile and using voice, that you must follow the "this is" and your call by giving the actual geographical location. You can only use "/call-area nr" when on c.w.



TRI STATE AMATEUR RADIO SOCIETY, Inc.

Published monthly by the Tri-State Amateur Radio Society, Inc., as its official organ.

SEPTEMBER 1966 AMATEUR RADIO W9LIT

Affiliated with the American Radio Relay League and the Indiana Radio Club Council.

Clifford C McGuyer, W9DGA PP, Editor. 476 7483

Herb Muth, W9NZC, Advertising Manager. 423 0373

OFFICERS

Ralph Greene K9JQY President.
2021 East Franklin St. 476 6836

John "Les" LaVanchy W9LXA V-Pres
RR#1, Wadesville, Ind. 985 3530

Clifford C McGuyer, W9DGA PP Secty
2900 East Oak Street, 476 7483

Jack Young K9LAU Treasurer
1715 Madison Ave 476 8127

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502 South Lincoln Park Jr 476 8378

Paul Wurtz K9JSK PP 1966-1967

3404 Stratford Road 423 8786

Harold McClellan W9WNM 1966-1967

781 Cardinal Drive 423 5184

Return Requested.
Tri-State Amateur Radio Society, Inc.
2900 East Oak Street
Evansville, Indiana. 47714.



Clifford McGuyer
2900 E. Oak St.
Evansville, Indiana

L9DGA

Our thanks to Don and Kenry for their organizing and carrying out the activities of the "Hamfest." Unless one has done a job of this kind it is difficult to appreciate how much work there is to it. When Don and Kenry were asked to do this work, both accepted readily, and we again thank them for their splendid cooperation. Our thanks, also, to those other club members who did their assigned work. This group is the same fellows who have been loyal to the club, helping to carry out its activities, not only this year, but in previous years as long as they have been members. Our "special" thanks to the ladies of the Auxillary for their food service. We hope that their work resulted in some reward. In fact, we feel that their work was a direct service to the club. Had we followed our past procedure on meal service, we could have had a financial loss. The ladies did their work in fine style, but we'll wager that day's work was the hardest one that any one of them had done for some time.

We had work to do and lots of it. We all know that our membership is at a new low. Hank made a good suggestions, on membership procedure, that has considerable merit. We would like to follow up Hank's idea and get it started. We have nothing to lose. We have made a few contacts on asking fellows to help work on membership. We shall make more. It is hoped that we can get the movement started so that it will get some results. Jack is in the process of sending out statements. Others are needed to make personal contacts with amateurs in our area who are not members of the club.

Ron Neal will make some contacts for those interested in a Xmtr Hunt for October 2. The starting place will be announced at the next meeting. Don will hide the Xmtr, and Don knows some well hidden places.

The date for the President's (Past) Dinner has been set for November 16, a Wednesday evening. The time and place will be announced later. Lowell Goodson is in charge of arrangements, and we are sure that Lowell will arrange for a good program for this event. As we know this event is free to the membership and all past presidents, and its purpose is to honor those members who have served the club, in leadership, in the past. Fay and his committee will come up with a slate of officers for the next year at the October meeting. Nominations in September, and Election in October. If you are called on to serve in some capacity, get in there and pitch and learn how the club operates. A committee has been appointed to investigate if TARS needs a TVI Committee. Earl will have charge of the September meeting program. 73.

"THE GREAT VARIETY"

S-107 Hallicrafters	\$55.00
SX-117 Hallicrafters Receiver	279.50
NC-270 National Receiver	199.50
NC-77X National Receiver	69.95
Gonset SSB Transmitter - Like New	285.00
Viking I Transmitter	99.50
P & H Linear Amplifier	149.50
Globe Scout Transmitter	59.50
50 Watt Transmitter	39.95
40 Meter C W Transmitter	35.00
B & W T-R Switch	17.50
H1 Gain 14AVS Antenna	22.50
EICO SSB Transceiver	189.95
Millen Transmatch 1 K.W.	99.50
Johnson Match Box	45.00
CR-5AC 4 Band Receiver	19.95
Coming Soon! A Whole new series of "Low Priced" Solid State Kits	
By EICO. Coming Soon! New National SSB-CW-AM 5 Band Transceiver	
for \$359.00. For the newest and Best at money saving prices see	
Paul, Irene or Mike at <u>C A S T R U P ' S</u> Radio Supplies.	

"MINUTES, REGULAR MEETING, AUGUST 25, 1966, LIGHTHOUSE"

Officers present, K9JQY Pres, W9LXA V-P, W9DGA Secty and K9LAU Treas. Directors present, W9NZC, W9RDJ, K9JSK and WA9JZX. Meeting called to order by Pres K9JQY at 730 pm. Minutes of previous meetings approved as printed in Sparks. A total of 17 persons was present.

Secty W9DGA passed out sheets received from the American Radio Relay League on the additional questions (with answers) for the New Novice test.

Hamfest chairman K9QWV and Co Chm WA9HGA gave final report on Hamfest Plans and stated all arrangements have been completed. W9RDJ reported the Hamfest prizes would total \$292.40 and have been purchased. A total of 33 prizes will be given with the first prize being an Eico Tri-Band Transceiver.

The president announced the appointment of Lowell Goodson, W9RBV to be the Chairman of the "Past Presidents Banquet" to be held during the period of November 14 to 18, with the exception of November 17, with Wednesday November 16 being the first choice.

Under new business, W9RDJ brought up the subject to have TARS invite all area amateur radio operators to attend one of our club meetings. After discussion, WA9JZX made motion, "The president initiate action by the Membership Committee, with view in mind of increasing membership." Motion seconded by W9RDJ and carried.

Pres K9JQY announced a "Transmitter Hunt" to be held the first Sunday in October, the date being October 2, 1966.

Meeting adjourned at 806 pm and turned over to the speaker of the evening, Hank Galbraith W9RDJ who gave a talk on "Solid State Power Supplies." The program was well received by all. Doc Alexander, W9YZO won the door prize donated by WA9HGA, a 2400 volt, 500 watt power transformer, K9QWV served cokes.

"MINUTES, BOARD OF DIRECTORS MEETING, September 20, 1966, LIGHTHOUSE"

Officers present included Pres K9JQY, Secty W9DGA and K9LAU Treasurer. Board members included W9NZC, W9MKZ and WA9JZX. Pres K9JQY called meeting to order at 8 pm. Secty W9DGA read minutes of past meeting and was approved as read. Treas K9LAU submitted Treas report showing balance of \$1,493.91 and was approved as submitted. First report on hamfest shows a loss of \$51.46 not counting insurance and other possible bills. Secty W9DGA read correspondence from ARRL which included the coming "SET, Simulated Emergency Test" to be

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MINUTES, Cont'd. held October 8 and 9. The president will contact the Emergency Coordinator, Ray Miller, W9OG for some TARS activity in SET.

Pres K9JQY submitted verbal report from "Nominating Committee" chairman W9AIN stating that a complete slate would be announced at the regular September meeting. The Election of Officers will then be held during the regular October meeting.

The Pres K9JQY announced a "Transmitter Hunt" will be held Sunday, October 2, 1966 at 130 pm starting from Reitz Hill. Frequencies will be on 29.0 and 50.4 mcs. K9QWV will hide the transmitter.

K9JQY, pres announced that W9RBV was the Chairman of the "Past Presidents Banquet" to be held Wednesday, November 16 at a location to be announced latter. An excellent program is being planned by Lowell. The Banquet is free for paid up members and all past presidents of TARS even if not now a member.

Meeting adjourned at 915 pm.

"TARS SEPTEMBER MEETING"

The regular September meeting of the Tri State Amateur Radio Society will be held at the "Lighthouse" Second avenue and Virginia street starting promptly at 730 PM. The business will be held to a minimum so full time can be devoted to an "outstanding" program. After the program a general "eyeball" QSO session will be held. Come see your "ole friends" and "fellow hams." Oh yes, the date is Thursday, September 29, 1966, remember, promptly at 730 pm.

"GALA TRANSMITTER HUNT"

The Tri State Amateur Radio Society willhold another one of its "big" "Transmitter Hunts." The date is Sunday, October 2, 1966 starting promptly at 130 pm. Meet at Reitz Hill for a mileage check. The operator with the lowest mileage will be declared the winner. So Speed is not too important, just low milage. So drive careful and make all your direction readings count. K9QWV will hide the "transmitter". The frequencies used will be "29.0 and 50.4 mcs." So make your plans, come early, and may all your readings be good.

"FREE FOR THE ASKING"

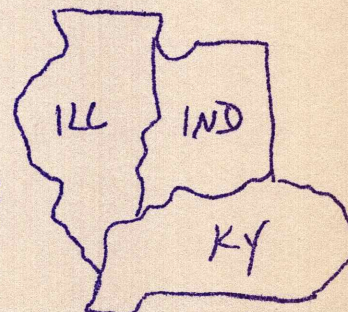
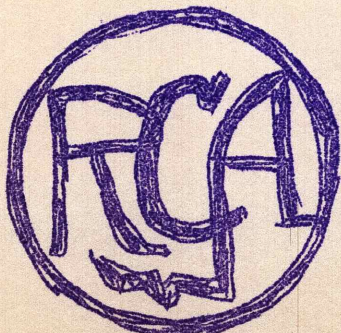
4 element fifteen meter bean, color coded, commercial built...Prefer school age novice who is short of funds. Donated in the interest of fraternalism by W9LGQ, now in Indpls. Call 476 2627, W9WUH, John Harkins, 1100 S Bennigshof.

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FCC Radio Operators Exams- by appointment only at Fort Wayne, Ind November 2, 1966. Indianapolis, Ind November 4, 1966 and Louisville, Ky on November 9. Both the General and Extra Class license cost \$4.00 and all applications for license must be filed in advance and accompanied by the \$4.00 fee at least ten days prior to the examination. Specify the City and which exam you desire to take. Make check or money order payable to the Federal Communications Commission. The examiner is not authorized to accept any fees in the exam room. Address all inquiries and requests for forms to Chicago. The FCC does not maintain offices at Fort Wayne, Indianapolis or Louisville.

"NOTES FROM ARRL"

Through Director Eaton we learn that, to publicize Canada's Centennial Year, the Department of Transport has granted hams the blanket option of using 3C in place of VE and 3B in place of VO as prefixes, available any time during the calendar year 1967. Thanks, 3C3CJ!

Fearing it might be a racket, W5ACL has sent ARRL a folder he received from a "National Association of Radio Amateurs" with a Postbox 18576 address in Atlanta, Georgia. No individual names or calls are identified. Membership at \$25 a year is solicited. "Technical and legal assistance" is offered, along with "better representation of amateurs in the US and everywhere such representation is needed," and a special fund from which members can borrow to finance purchases of equipment (on a first-come, first-served, basis!). The folder says the organization is "growing everyday at an unbelievable rate, a thousand times better than earlier expected," but so far-- and after checking with W4HYW and W4YE -- we can't find anyone who has ever heard of the outfit. (Ed note- this is a hint to the wise, don't get suckered in).

FCC last week denied the three-year old petition of WA2VAF, which requested a gradual reduction in authorized amateur power input so that it would reach 125 watts maximum within a few years.

New Amateur License in Evansville is WN9TDU, Don Fickett, 200 Madison Ave. By next month we should report the new call of Kermit Camp, outter Oak Hill Road. Kermit took the Technition exam last month. Both above exams were administered by W9DGA. Kermit Camp is a Police Radio Operator.

One thing worse than a quitter is the fellow who's afraid to begin.

Save	"SUMMER CLEARANCE SPECIALS"	Save
Heath HX-20 SSB		\$125.00
Heath HX-20 HR 10 as is		175.00
Heath AT 1 Transmitter		25/25
Vnight T150		80.00
Vnight T50		30.00
Heath HF 23		28.00
Valiant Like New		125.00
Drake 2-B Like new		185.00
Drake 2-A Like new		150.00
HQ170 like new		195.00
HQ150 Like new		150.00
Kilwatt Match Box		75.00
Drake TR-4		495.00
Drake RV-4		85.00
Drake R4-A		34.00
Swan 350		360.00
MARS phone patch New		25.00
RG8/U Coaxial Cable	100'	9.95
Swan Mark I Linear		395.00

See Bill Ogg or Don Griffith, EVANSVILLE AMATEUR RADIO SUPPLY
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Herb Muth, W9NZC, Advertising Manager. 423 0373

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John "Les" LaVachy W9LXA V-Pres.
RR#1, Wadesville, Indiana. 985 3530

Clifford C McGuyer W9DGA PP Secty.
2900 East Oak Street 476 7483

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1715 Madison Ave 476 8127

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Sam Arthur WA9JZX 1966
857 East Parkland Ave 424 5141

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3121 Igleheart Ave 423 0373

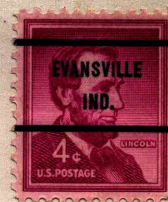
Charles Robertson W9MKZ 1966-1967
502 South Lincoln Pk Dr 476 8378

Paul Wurtz K9JSK PP 1966-1967
3404 Stratford Road 423 8786

Harold McClellan W9WNM 1966-1967
781 Cardinal Drive 423 5184

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2900 East Oak Street
Evansville, Indiana. 47714.



Clifford McGuyer
2900 E. Oak St.
Evansville, Indiana

L9DGA

Reservation - "PAST PRESIDENTS DINNER"

November 16, 1966

6:30 P.M. - Greer's Restaurant
1901 Highway 41 North
Evansville, Indiana

Name _____ () MEMBER
_____ () NON-MEMBER

Name _____ () MEMBER
_____ () NON-MEMBER

TARS MEMBERS - No Charge
NON-MEMBERS - \$2.25

MAIL TO: Lowell Goodson
4512 Sweetser Avenue
Evansville, Indiana 47715

PLEASE MAIL YOUR RESERVATION NOT LATER THAN FRIDAY, NOVEMBER 11, 1966.

"TARS ANNUAL FOUNDERS DAY BANQUET"

The Tri State Amateur Radio Society will hold its Annual "Past Presidents Dinner" Wednesday November 16, 1966 at thde "Greers Motel", 1901 North Highway 41. Starting time is PROMPTLY 6:30 PM. This affair is designed to honor all the "Past Presidents" of TARS. The Dinner will be free to TARS "Paid Up" Club members and any past president who is not now a member.

Advanced reservations must be made. Complete the above questionair and return it as soon as possible to the "banquet chairman", Lowell Goodson, W9RBV PP so as to be received no later than Friday, Nov 11. For other interested persons the price of the dinner will be \$2.25 with "advanced" reservations. The "Past Presidents" will be seated at the head table in order of their terms.

The program will be the "Funtastics", a group of barbershop singers. Bring your XYL, YL for some delicious food and fun.

Past Presidents include: 1947 W9GFS, 1948 W9AIN, 1949 W9UMS, 1950 W9UMS, 1951 W9HX and W9HRH, 1952 W9JFJ, 1953 W9NJR, 1954 W9EHU, 1955 W9DGA, 1956 W9RBV, 1957 W9OG, 1958 W9RBV, 1959 W9UMS, 1960 K9JQN, 1961 K9JSK, 1962 K9QWV, 1963 K9STX, 1964 W9RDJ, 1965 K9PNJ, and 1966 K9JQY.

"TARS REGULAR NOVEMBER MEETING CANCELLED"

The regular meeting for November will not be held. The Above Dinner meeting will take its place. Make your plans to attend early.

The article that follow is an attempt to give some information on some current net operations in Evansville. No attempt is made to include all net operations, and if any reader of Sparks has an interesting net to write up or one that he enjoys send it in.

75 METER NET OPERATION

All nets that bear the name, Indiana, meet on 3910 kcs. (Ed note - how about Indiana's CW net? its on 3656 kcs). At this time there are five "Indiana" nets and one called Hawks Roost. Their schedules are as follows.

Indiana Single Side-Band Net (ISSBN) Mon-Fri 0001Z, Early Ind Single-Sideband Net (EISSBN) Mon-Sat 2130Z, Indiana Fone Net daily 1330Z, Indiana Fone Net Mon-Fri 2300Z, Indiana River Forecast Net Sun 1700Z. Hawk Roost, follows the morning session of IFN. Locals who check into these nets are W90G NCS ISSBN Wed, K9PAR, K9QLB, K9GBB and K9JCY. Recently we heard K4OZI/9. We have heard them call a WA9, but we have not heard him. We hope we have left out no one. Good training in handling traffic results from checking into these nets, and one learns to know several Indiana hams. Amateurs from neighboring states check into Indiana Nets. The Side-band and fone nets are strictly traffic nets. They are glad to have Evansville amateurs on frequency. There is considerable traffic for our telephone outlets in this area. On the evening before the Hoosier Hills Hamfest there is a dinner meeting. It is called the ISSBN dinner meeting, but anyone would be welcome.

To our knowledge there are no Hawk members among the YL's in this area. Or at least we were informed on inquiry. We are sure that ladies are welcome to join the net. If interested contact K9ILK, at Princeton.

The Indiana River Forecast meets 1700Z, on Sunday. This net works with the Weather Bureau, and reports weather conditions throughout the state. Its purpose is to set up an emergency communications system in case there is an emergency created by weather conditions. There is no clear channel here at the time for this net, as we have tried to check into it, but had no success.

The Breakfast Club meets daily 1000Z-1230Z 4-630 pm CST. Locals who check into this net are K9JSK, K9PAR, K9QLB and we believe K9GBB. Our apologies if we have missed you. This net is a kind of short ragchew and friendship deal. It meets on 3873 kc. A certificate can be had for ten checkins, on request to the club secretary. There is a Breakfast Club News, a monthly publication available. On checking in they give (Cont'd next page)

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PRESIDENT K9JQY, Cont'd.

weather report, greet all amateurs and SWL's, signal reports, a little blarney about Arbuckle or \$-X coffee and any other comment that comes handy. Transmissions are limited to two minutes. It reaches from Maine to Hawaii including Alaska, and from Canada to Mexico, VE's check in often. No one is barred, YL's to OM's.

The frequency 3910 is a favorite spot for many Indiana Hams to operate. Some one can be found there all most anytime, especially those who check into Indiana Nets. The 5's GRM us, and we are sure that we return the favor, Hi.

---K9JQY President, TARS.---

"TARS OCTOBER MEETING"

The regular October meeting of the Tri State Amateur Radio Society will be held at the "Lighthouse" Second avenue and Virginia Street starting promptly at 730 PM. The business will be held to a minimum so full time can be devoted to an "outstanding" program of a technical nature. Either film or group discussion. After the program a general "eyeball" QSO session will be held. Come see your "ole friends" and fellow hams. Oh yes the date is October 27, thursday.

The annual election of officers will be held. Elsewhere under minutes of last meeting is listed the proposed officers. As there is no contest in any of the officer group they will be automatically elected. Following is a mail ballot for the office of Director. Vote for 4. The high 3 will be for two year terms and the 4th one a one year term to fill out the 1967 term of W9WNM, who is moving up to Vice President.

K9JQY ☐

WA9JZX ☐

W9NZC ☐

W9RDJ ☐

K9PNJ ☐

Mail to PO Box 492, Tri State Amateur Radio Society,
Evansville, Indiana. Better still, come and vote
in person. These are the people who will lead TARS.

"TREASURERS REPORT"

By K9LAU, Treasurer, TARS.

Cash Balance - beginning of year

\$1,274.51

Receipts to September 30

577.85

\$1,852.36

Disbursements to September 30

\$ 632.85

Cash Balance

\$1,219.51

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"MINUTES REGULAR MEETING SEPTEMBER 29, 1966, LIGHTHOUSE"

Officers present: K9JQY Pres., W9LXA VP., W9DGA Sec., and Directors WA9JZX and W9NZH. Meeting called to order by Pres. K9JQY at 7:37 p.m. Minutes of previous meeting approved as printed in Sparks. Treasurer's report approved as submitted by Treasurer K9LAU. A total of 10 members and 2 visitors WA9QAA and WB6QXL were present. W9NZC stated he will make report on the Proposed TVI committee at the next Board meeting. The ARRL SET plans were made. K9PNJ will monitor 29.0 mc as reported by Pres. K9JQY. The pres. announced a Xmtr Hunt to be held Sunday Oct. 2, at 1:30 p.m. on 29.0 mc and 50.4 mc at Reitz Hill. K9PNJ made report of the nominating committee for next year's officers and Board of Directors. The report showed K9LXA for Pres., W9WNM for VP., W9DGA for Sec., and K9LAU for Tress. As 4 new board members will be needed, (W9WNM moving up to VP and will have 1 yr. of his 2 yr. term open) the following were presented for members of the Board of Directors, K9JQY, WA9JZX, W9NZC and W9RDJ. K9PNJ was nominated from the floor. Therefore, the only election will take place for members of the Board. The 3 high will be elected for 2 yr. terms and the 4th high for 1 yr., completing term of W9MWM.

W9LXA served coffee and donuts. WA9CDP gave and demonstrated excellently "ANTENNA IMPEDANCE BRIDGES" which was well received by all.

"MINUTES OFFICERS MEETING OCTOBER 18, 1966, LIGHTHOUSE"

Officers present: K9JQY Pres., W9LXA VP., W9DGA Sec., and Directors WA9JZX, W9MKZ and W9RDJ. Also present were K9STX PP and W9RBV PP. Minutes of previous meetings and treasurer's report approved as printed in Sparks. W9NZC announced the decision of the "Proposed TVI Committee". We will have a TVI Committee and the personnel of this committee announced at the next Board meeting by W9NZC.

W9RDJ, W9RBV, Chairman of the "Past Presidents' Dinner" made a complete report on the Dinner. The date will be Wednesday Nov. 16th at 6:30 p.m. at Greers Motel. Cost for non members is \$2.25. The program will be the "Funtastica" a Barber Shop Group. The president announced the regular Nov. meeting is cancelled and the Board meeting moved up to Nov. 8. K9STX outlined a Comm Plan for Van Cty as the result of a meeting at Red Cross. After discussion, W9MKZ made motion "That the Tri State Amateur Radio Society cooperate with the proposed Vanderburgh County Comm Organization as proposed by K9STX." (Cont'd next page)

<u>\$AVE</u>	<u>\$SAVE</u>	<u>\$AVE</u>
Drake TR-4		\$495.
Drake RV-4		85.
Drake R4-A		340.
Drake TR-X		340.
Swan 350		360.
Galaxy V		360.
SBE 34		330.
Drake 2-B Like New		185.
Drake 2-A Like New		120.
Heath HX-20 SSB		125.
Heath AT 1 Transmitter		25.
PL-259 Connectors		.25¢
MARS Phone Patch - New -		25.
MARS SWR Bridge - New -		15.

\$AVE \$AVE \$AVE
See Bill Ogg or Don Griffith
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Swan Mark 1 Linear \$395.
SBL2 Linear 205.

Used SB34 Like New \$295.
RG/8U Coax 100 ft. \$9.95

MINUTES, Cont'd.

Motion seconded by WA9JZX and carried. TARS will again sponsor local Fone and CW Plaques for the Sweepstakes winners. Logs will be turned in to the Pres. K9JCY for judging. Meeting adjourned at 9:03 pm. --W9DGA Secty--

"TARS SWEEPSTAKES PARTICIPATION"

TARS will award a Plaque to the high "Phone" and high "CW" scorers in the coming ARRL "Sweepstakes" contest. Within two weeks after the end of the SS submit copy of the log that you send to the ARRL to our President, K9JCY who is acting as the Judge. When you send your log to ARRL be sure to indicate that you are a member of TARS. You may enter both the CW and Phone contests but you cannot win both plaques. Good Luck. The 33rd Sweepstakes will be Nov 12-14 for phone and Nov 19-21 for CW. See Nov 65 CST for Details.

"LOCAL AIR FORCE MARS ACTIVITIES"

By W9WUH

Local activities are centered around an AM VHF net that meets each Monday night at 8:00 PM EST. on 49,980 kc. This net is devoted to training, information about current Air Force MARS activities and to traffic handling. New Mars members are normally assigned to a VHF net like this one, where they can ask questions and receive training in military communications procedures. From this net they graduate on to the high frequency radio teletype or SSB voice nets, Mars technical service nets or whatever phase of the air force Mars program they want to participate in.

At present there are eight Evansville Amateurs in the Local Air Force Mars group: K9JSK, K9HCE, WA9JZX, W9LXA, K9PAR, K9PNJ, W9WUH and K9UHR. Currently this net is assembling a "repeater" transceiver that will receive a signal on two meters and retransmit it on a six meter Mars frequency. The purpose of a repeater station is to increase the effective HF communication range of local Mars stations. Membership requirements for Air Force Mars are nominal for those interested in this type of amateur activity. Basically they are: 1. FCC amateur license. 2. Over 16 years of age. 3. Equipment that can be modified to operate on Mars frequencies. 4. A willingness to maintain minimum participation requirements.

NEXT MONTH- THE "POST OFFICE NET" by K9PNJ. Also a Converter by W9HAK & Hudson.

"FALL SPECIALS"

NC-270 Receiver, National	\$199.50
NC-77X National Receiver	69.95
Gonset SSB Transmitter- Like New -	285.00
NC-183-D National Receiver - Nice -	189.50
Viking 1 Johnson Transmitter	99.50
P & H Linear - built in power supply -	150.00
Gonset SSB Transmitter - used 3 months - New price 499.50	285.00
HT-40 Hallcrafters Transmitter	79.50
HX-50 SSB-CW-AM Transmitter - Perfect -	350.00
HQ-110-A Hammarlund Receiver - used only few times -	199.50
Hi-Gain 14AVS Antenna	28.50
EICO SSB Transceiver	189.95
Millen Transmatch 1 KW	99.50
Johnson Matchbox	45.00
CR-5AC 4 Band Receiver	19.95

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Published monthly by the Tri-State Amateur Radio Society, Inc., as its official organ.

NOVEMBER 1966

AMATEUR RADIO W9LIT

Affiliated with the American Radio Relay League and the Indiana Radio Club Council.

Clifford C McGuyer, W9DGA PP, Editor. 476 7483

Herb Muth, W9NZC, Advertising Manager. 423 0373

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John "Les" LaVachy W9LXA V-Pres.
RR#1, Wadswville, Indiana. 985 3530

Clifford C McGuyer W9DGA PP Secty.
2900 East Oak Street. 476 7483

Jack Young K9IAU Treasurer
1715 Madison Avenue 476 8127

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2900 East Oak Street
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Clifford McGuyer
2900 E. Oak St.
Evansville, Indiana

L9DGA

"THE PRESIDENTS CORNER" ——— "HONORING OUR PAST PRESIDENTS" By K9JQY.

On November 16, TARS honored those men who, in the past, have served as President. To serve an organization in the capacity of President is an honor and an obligation. An honor, in that the members of the group have placed their confidence in this person to provide leadership for their activities. An obligation, because the person, thus selected, has assumed this task for which his fellows have chosen him. TARS has a proud past. The slogan, "Amateur Radio Exists for the Service it renders" has been well kept in the past, due to the leadership of these men and the assistance of the membership which they represent.

Let's take a look at these distinguished gentlemen of whom TARS is justly proud, and the years in which they served.

1947: W9GFS. Phil is still around and uses his know how at GE in the manufacture of those hot nine pin put put tube that we are learning about.

1948: W9AIN. Ray sees that SIGECO gets those tiny electrons to us that are necessary for our operations.

1949: W9UMS. Al supervises Meads in the manufacture of Metrecal so that we can stay up late and work DX.

1950: W9UMS. Al again. More metrecal, more DX.

1951: W9HX. Bake is now retired from Indiana Bell. Bake helped us when our signal got into our neighbors telephone.

1952: W9JFJ. Humpy Campbell. Is an insurance man, TARS auctioneer, and the local phone DX man. Humpy does many many printing jobs for TARS.

1953: W9NJR. Louis was in Indianapolis at our last report.

1954: W9EHU. Bennie now in Atlanta designing antennas for the big Jets.

1955: W9DGA. Mac is Lieutenant at Police Radio. Is past Indiana Section Communication Manager for ARRL and received Evansvilles first DXCC.

1956: W9RBV. Lowell works at Old National with all that money around him.

1957: W9OG. Ray works at the Internal Revenue Service. He sees that we get our income tax notices on time.

1958: W9RBV. Lowell again. More money. He came back for more.

1959: W9UMS. Al again, Al has one up on Lowell.

1960: K9JCN. Jim lives in Terre Haute. Works for the Post Office Dept.

1961: K9JSK. Paul is in the TVX repair business. He Helps members with TVI complaints.

(Cont'd next page)

"Thanksgiving Values!!"

B&W Transmitter	\$199.50
Eico 720 Transmitter	59.95
Eico 730 Modulator - Wired	44.95
HT-37 Like New	275.00
Globe Scouts	49.50
Viking Transmitter	99.50
Gonset GSB-100	285.00
10 Meter Messenger Transceiver	99.50
Novice Transmitter Kit	19.95
Novice Transmitter - Used	15.00
HQ-110 Receiver	159.50
S-38-C Receiver	25.00
CR-5AC Receiver	19.95
NC-300 Receiver	199.50
Millen 1 KW "Transmatch"	99.50
Johnson "MatchBox"	45.00
Heath "Twoer" "Tanner" each	32.50
VFO's low as -	15.00
Signal Generator	15.00
C-Multiplier - low as	7.50
SSB Slicers - low as	49.50

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PRESIDENT, Cont'd.

1962; K9CWV, Don is Safety Director at the Post Office.

1963: K9STX, Ralph is from California. He reversed Horane Greeley's Advice and came East. Ralph is also a Metralcalite maker.

1964: W9RDJ, Hank takes care of the micro-wave for AT&T as we can see Batman.

1965: K9PNJ, Earl is on disability leave from the Post Office. Earl is an all around fellow that does his best on any task assigned to him and he gets it done in fine shape.

In our opinion and to our knowledge, a finer group of gentlemen or men more devoted to Amateur Radio would be difficult to find. We hope that all of you had a fine time at Greer's Motel.

"MINUTES OF REGULAR OCTOBER MEETING" October 27, 1966.

Officers present: K9JCY Pres; W9LXA VP; W9DGA Secty; K9LAU Treas. Directors included W9RDJ, WA9JZX, W9NZC, W9MKZ and W9WNM. Meeting called to order by Pres K9JCY at 730 PM. A total of 18 members and 3 visitors were present. Minutes of previous meetings approved as printed in Sparks. Treasurers report approved as printed in Sparks.

The following officers were elected by acclamation on motion of K9STX, seconded by WA9JZX for the year 1967. They include President Les LaVancy W9LXA, Vice President Harold McClellan W9WNM, Clifford C McGuyer W9DGA, Secretary and Treasurer Jack Young K9LAU. Motion carried.

An election was held for the Board of Directors, four to be elected, the three high for two year terms (1967-1968) and the fourth high for a one year term (1967) to fill the unexpired term of W9WNM who moves up to Vice President. Those elected for a two year term (1967-1968) include Hank Galbreath W9RDJ, Earl Green K9PNJ and Sam Arthur WA9JZX. Elected to fill on the term of W9WNM for 1967 was Ralph Green K9JCY.

W9RDJ issued "Code Practice Proficiency Certificates" as result of the code tests held at the July meeting. The awards were presented to K9JCY, W9LXA, W9DGA and WA9FUJ. Hank congratulated the operators and stated early next year another such test would be held.

K9PNJ reported on the "Club Generator." He stated it had broken down due to no fault of any club member, but was a part failure. It has been repaired at a cost of \$12. Earl said a claim was submitted to Briggs and Stratton for an adjustment. After a short discussion the regular December meeting will be cancelled. W9LXA Served refreshments. K9PNJ & K9CWV showed film. Closed 910P.

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"MINUTES OF NOVEMBER BOARD OF DIRECTORS MEETING." - - November 8, 1966.

Officers present; V9JQY Pres; W9LXA VP; W9DGA Secty; and K9LAU Treas; Directors included WA9JZX, W9NZC, W9MKZ and K9JSK. Meeting called to order Pres K9JQY at 730 pm. Minutes of previous meetings approved as printed in Sparks. The Treasurers report approved as printed in Sparks.

W9NZC gave final report on the "Proposed TVI Committee." Chairman of the "TARS TVI Committee" will be W9WNM, Co-Chairman K9JQY with W9LXA, WA9JZX, K9JSK, W9RDJ, W9MKZ and W9NZC as members. W9NZC was congratulated on his organization of the new "TARS TVI Committee." Discussion was held on the "Past Presidents Banquet." There will be no regular meeting during the months of November or December. A Board of Directors meeting will be held Tuesday December 13 at the Lighthouse. Meeting adjourned at 830 pm. -W9DGA-

"TARS TREASURERS REPORT" By K9LAU, Treasurer.

Cash balance - beginning of year	\$1,19.51	
Receipts to November 8	644.85	\$1,864.36
Disbursements to November 8		734.92
Cash Balance		<u>\$1,129.44</u>

"POST OFFICE DEPARTMENT NET" By K9PNJ PP.

The US Post Office Department is basically a communication system and what would be more natural than for the employees to set up a Amateur Radio Net, on a National Scale to handle communications, as a backup in case of emergency. This was recognized under president Kennedy and it was organized and set up about 1960. The PO Net is entirely volunteer and no taxpayer money is used. Headquarters is at Washington DC and each state funnels traffic there, or within their own state as the case may be. States have their own managers and Indiana is K9EFY, Flora. Indiana Net meets Sunday morning at 8AM on 3885 Kc, LSB. ARRL rules are used and visitors are invited. Traffic consists mostly of postoffice business, but traffic from MARS and Amateur circuits are also passed.

Auxillary nets on VHF 50.7AM, Sunday and Wednesday nites, at 9 pm, from Laneaville, Ind. Southern Ind is covered and parts of Ohio and Ky and NCS is WA9NLE and WA9JHC. Two meter nets are also used in some areas, to funnel traffic into the State Net. The system is well organized (Cont'd next page)

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Galaxy V	\$360	Swan 350	\$360
Drake TR4	499	Drake T4X	340
Drake 1A	99	Drake R4A	340
Drake 2-B (Two)	185	Eico 753 Kit	180
Gonset IV 6 Mtr	195	Swan Mark I Linear	420
NC 109	79	Hallcrafters HT37	219
Hallcrafters HT32A	319	Swan 140	140
Hy Gain 40 Mtr Beam	85	Valiant	150
Hy Gain 18AVQ	45	Ranger	90
Hy Gain 3 E1 40 Mtr	30	DX 60A	69
Hy Gain 3 E1 10 Mtr	30	Heath AT-1	20
Mosely CL-33	99	Knight T50	25
HW 22 Like new	110	Ham M Rotoator	90
Mars LE-2 TX patch	29	Heath SB 10 Adapter	69
Lafayette HA90 VFO	25	Knight VFO	15
Heath VFL VFO	8	Eico 751 AC P/S	65
Heath HP-23 P/S	29	Heath Q Multiplier	6
Heath Wide Scope	48	Match Box 275 W W/SWR	55

Christmas will be here before you know it. Remember "Someone Special"

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812-422-4551. William Ogg, Owner-Mgr WA9RMO. Merry Christmas.

POST OFFICE NET, Cont'd.

and an asset to Amateur Radio and our Government. Show me an Amateur willing to handle traffic and I will show you an Amateur deserving of his license.

"TRANSMITTER HUNT"

By

WA9BPP

The Tri State Amateur Radio Society will conduct a Transmitter Hunt December 4, 1966. The conductors will be WA9HGA and WA9BPP. Starting place will be Reitz Hill, time 2:00 PM. Frequencies used will be 29.0 and 50.4 Mcs. W9LIT, TARS call will be used. Hot Coffee and Donuts will be served.

Everyone is welcome to hunt, so pass the word around to anyone who may not get Sparks. If you don't have mobile equipment someone who does will be glad to take you along.

Drive careful and good luck.



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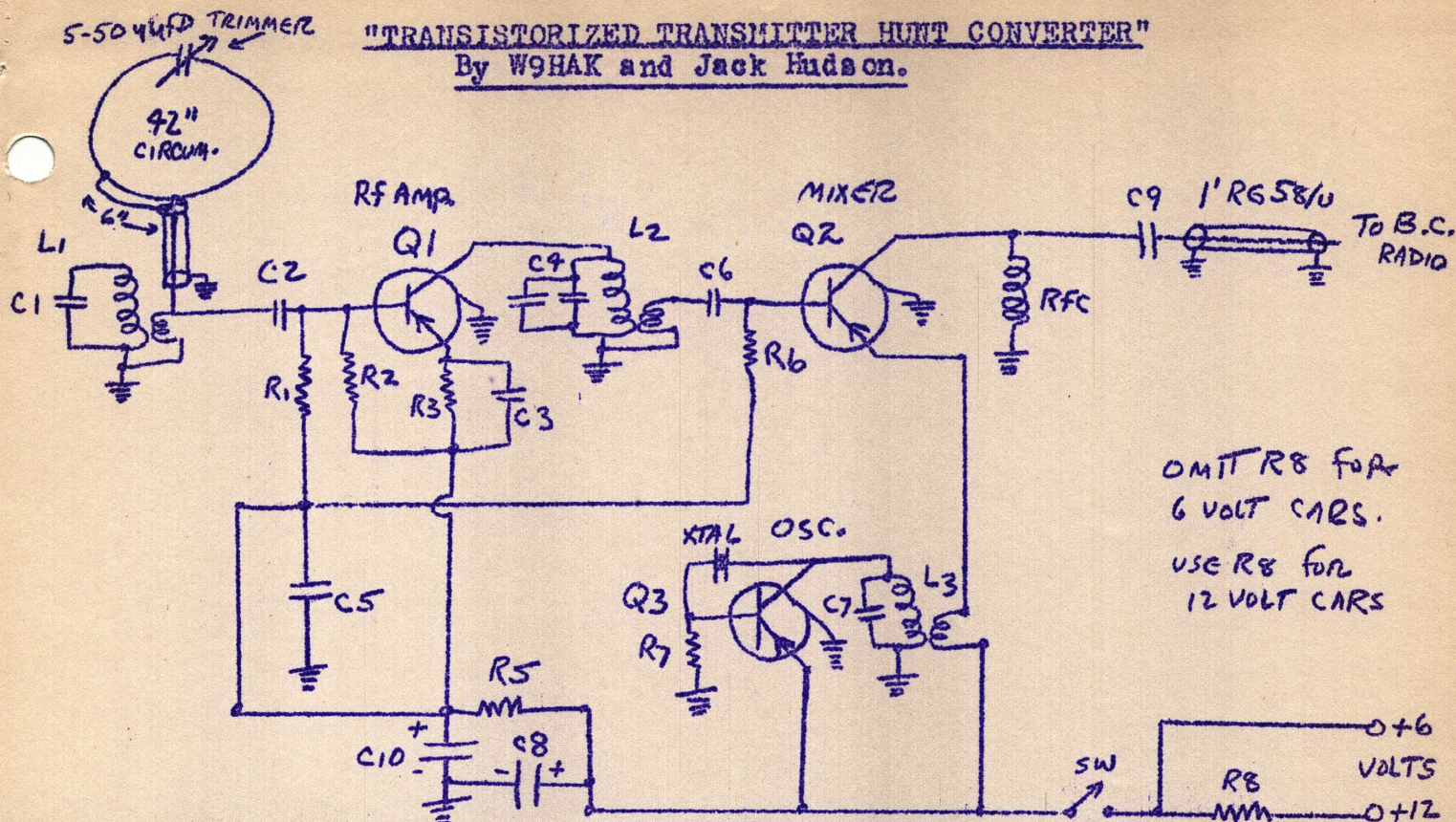
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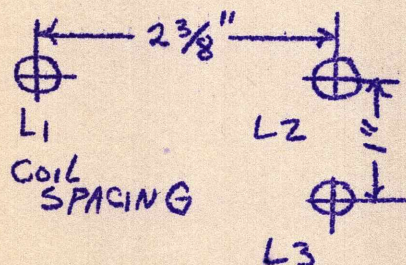
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Base Diagram for 2N1225
Viewed from bottom.

"TARS PAST PRESIDENTS BANQUET"

The Tri State Amateur Radio Society held its annual "Past Presidents Banquet" Wednesday, November 16, 1966 at the Greer Motel. A fine meal was served and an excellent program was provided by the "Funtastics", a quartet that really put on a wonderful show for the group. Lowell Goodson is to be congratulated on the fine Dinner and Entertainment. Lowell W9RBV was the Chairman and the only three time President TARS has had. We all owe a big "thank you" to Lowell for a job well done. Mrs W9RDJ won the door prize.



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L9DGA

XMAS OR CHRISTMAS, Which? Suppose we lay aside amateur radio for a while and think about the time of year that will soon be with us. No more Club meetings, technical programs, Field Days, Hamfests, Transmitter Hunts, AM, FM, SSB, TVI, CW, etc., just lay them aside for a while and think about Christmas or Xmas. We think about the "Christmas Spirit", what does it mean to us. Now let's see: How many Christmas Cards do we need this year? Whom must we include in our gift list? How shall we celebrate "Christmas Eve"? Should we plan a trip this Christmas? How much liquor do we need? How shall we take care of our guest that visit us this Christmas? How about Christmas Dinner? What was our batting average on gift exchange last year? We are not the only ones that wrestle with these problems annually.

Has Christmas become so commercialized that we have forgotten or laid aside its true meaning? Santa came to Evansville on November 18. He came by "Helicopter", even leaving Rudolph and all the other Reindeers at the North Pole. Yes, he landed on the roof of the Evansville Store, and he climbed down a fire truck ladder to greet all those excited people who came down town for the purpose of meeting him and to begin their Christmas shopping. Is there danger that the Christmas Holidays will push Thanksgiving off the Calendar? Starting down town Santa will make the round of all the other shopping centers in the area. We are not complaining, we only comment on things as we see them.

The week before Christmas will be a busy one. Schools will close for the annual holiday observance. After the regular treat of sweets and goodies, furnished by the school PTA, programs will be presented in story and song, the usual Christmas Story by each group of school children. Since the religious people of our community are primarily Christian, we think that those exercises and observances are well and good. We have often wondered about the thoughts of those religious people who are often our neighbors, whose faith is other than Christian. Remember, in this country of ours, each person is permitted to practice the religion of his choice as long as it does not disturb the peace or interfere with the rights of others.

Christmas comes on Sunday this year. Christian churches will be crowded on Sunday morning, a climax to the many activities that have been presented the week before. One person, whose church attendance consists of two annual pilgrimages one on Christmas, and one on Easter, was said to have made this passing remark, "Why don't those people who go to church regularly stay home on these days (Christmas and Easter) so that we would not have such trouble finding a (next page)

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Swan 350	360
Drake TR-4	499
Drake TR-4-X	340
Drake R4-A	340
SBE 34 (Demo)	290
Drake 2C	199
Swan Mark I Linear w/tubes	450
Hy-Gain 40 Mtr Beam	79
Hy-Gain 18AVQ	45
Hy-Gain 3 Ele 10 Mtr beam	
(Display Model)	29
Ham-M Rotator "New"	90
Mars LE-2 Phone Patch	
"The Best"	29
Used 6 & 2 Thunderbolt Linear	
1000 Watt Like New	295

Gonsset PMR-1	\$40
National HR0-60 w/coils	199
SX101 Mark III Like New	135
Hallicrafters HT32A	269
Johnson Valiant like new	140
Johnson Ranger	85
DX 60 A	69
Heath AT-1	20
Knight T50	25
HT 37 Like New	185
Swan 140 Like New	140
Eico 753 Like New	169
Heath HW 22 Like New	89
Heath HW 32 like New	89
Gonsset Comm IV Like New	185
Heath VFO HG10 Like New	25
Heath VF1 VFO	8

PRESIDENT CONT'D.

seat. No doubt, other countries who call themselves Christian, observe the anniversary of the birth of Christ in ways other than ours. We would hardly think of "Dashing through the snow in a one horse open sleigh," in Australia, or Argentina. Many customs accepted by the Christian Churches today are of pagan in origin, and in the early church they were forbidden. Be that as it may Christmas will be as usual this year, the same excitement, joy good cheer, and disappointment. Amid all this revelry is it possible to go back to the first Christmas and to think of the Story that was told long ago.

And the Angel said to them, "Be not afraid, for behold, I bring you good news of a great joy which will come to all people, for to you is born this day in the city of David, who is Christ the Lord." Luke 2: 10-11 [Revised Standard Version]. We know the story of His work on earth, how he died that man might have Eternal Life. If He could appear unknown, as a person, and be the guest of a typical Evansville Christian family and attend the normal activities that lead up to the anniversary of His Birth, what would be His thoughts about our actions towards His Birth, His Life, and towards the sacrifice that He made. Do we celebrate CHRISTMAS, or do we celebrate with the Christ left out, XMAS?

"CAN YOU READ BETWEEN THE LINES?"

(Following taken from Directors Letter No. 1257 from ARRL dated Dec 6, 1966).

The Editor of CB Magazine recently transmitted a series of questions to FCC, mostly relating to the Citizens Radio Service but with some amateur overtones. You will be interested in one portion of the response signed by FCC Chairman Hyde.

"... the ability of an amateur radio operator to send and receive Morse is a requirement of international regulations. Further, to require such knowledge is necessary and justifiable from the standpoint of emergency preparedness and in the interest of maintaining a balanced structure of operating qualifications, including those operators who profess the intent of restricting themselves to the use of telephony. As you know, one of the most important justifications for the Amateur Radio Service is its value in times of emergency. Emergency conditions arise where radiotelegraphy may be

(Cont'd next page)

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RME 6900 Receiver, or NC270 Receiver	199.50
Geloso G-209 Receiver	189.50
Hallcrafters SX-99 Receiver	85.00
National NC 188 Receiver	95.00
Philmore CR-5A	19.95
Knight T 60 Transmitter	49.50
Kilowatt Matchbox, Johnson	99.50
Johnson Viking or HRO Receiver	each 100.00
SSB Slicer or Globe Scout Xmtr	each 49.50
HT-37 SSB Transmitter	275.00
HQ-110 Receiver	159.50
Heath "TWO'ER"	32.50
EICO 753 SSB	189.50
Johnson Matchbox	45.00
Gonset 2-Mtr SSB Transceiver	299.50
H1-Intensity Lamp	5.75
Latest Call Book	5.95
NCX-5 Mark II	500.00
Eico-craft Kits priced from 2.50, Weller Soldering Irons	3.30
MA-24-A Microphone 3187. Paul, Irene and Mike Castrup.	

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the sole means of establishing communication. For these reasons alone, I believe that it is in the public interest to require all amateur operators to demonstrate their knowledge of the Morse Code."

"CORRECTION"

Sorry but I made a mistake in the November SPARKS. Please correct the statement under "TARS PAST PRESIDENTS BANQUET" where it says "W9RBV was the only three time President TARS has had. Of course this is in error and should have read, "W9UMS is the only three time past president TARS has Had." Sorry Al. Of course W9RBV is a "Two Time" TARS Prexy.

"ARTHUR L. BUDLONG, W1BUD"

Arthur L. Budlong, W1BUD of South Lyme, Conn., retired Secretary and General Manager of the American Radio Relay League, and one of the nations outstanding experts in international radio regulations, passed away Tuesday, December 13, at the Lawrence Memorial Hospital in New London, Conn. He was 65.

Mr Budlong's life was devoted to radio communications, both professionally and as a hobby. He built a "crystal detector" receiver at the age of 10, and soon was transmitting as a "ham" radio operator. In his early youth he became a reporter for the Technical News Service of Washington, DC., and then combined his hobby interest and writing ability to prepare free-lance articles for the amateurs' magazine, QST. Thus coming to the attention of the national headquarters of the American Radio Relay League, in 1925 he was brought to their staff in Hartford, Conn, to manage a special press service, "Current Radio." When the public interest in radio news gradually diminished, Mr Budlong was appointed Assistant Communications Manager for the League, a principal accomplishment in that post was the establishment of a special network of amateur radio operators to provide emergency backup communications for the Pennsylvania Railroad, and which helped form the later pattern of organized amateur performance in providing vital communications links in time of disaster.

As the League grew and its staff expanded, the then ARRL Secretary Kenneth B Warner, chose Mr Budlong to be his right-hand man; on Warner's passing in 1948, Mr Budlong was appointed by the (Cont'd next page)

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BUDLONG, Cont'd.

Board of Directors as Secretary and General Manager of the League, which post he held until his retirement on December 31, 1960. During his 12-year tenure as head of the organization, it doubled in size, reaching a worldwide membership of 100,000.

International radio conferences are meetings between nations to decide upon world communications regulations and assignment of frequencies, and Mr. Budlong has been involved in every one since the development of short-wave (long-distance) communication in the middle 1920s. He was a member of the U.S. delegation to the Inter-American Radio Conference at Santiago, Chile, in 1940. This background prepared him, in World War II, for the post of Chief of the Frequency Allocations Section of the U.S. Coast Guard in Washington, D.C., with the rank of Lieutenant Commander. He was a member of the allocations committees of the Joint and Combined Chiefs of Staff, and of the Inter-department Radio Advisory Committee (the U.S. agency for assignment of government and military radio frequencies). He served as IRAC Technical Subcommittee Chairman which established the basic pattern for the 1945 general reallocation of the frequency spectrum and which largely became the postwar world allocations table adopted by the international radio conference at Atlantic City in 1947.

Mr. Budlong participated, on behalf of the United States in the Bermuda Telecommunications Conference (1945), the London Conference on Radio Aids to Marine Navigation (1945), and the Inter-American Radio Conference at Rio de Janeiro (1945). Returning to the League staff after the war, he was a member, representing ARRL and amateur radio operators, of the U.S. delegations to the Moscow Five-Power Radio Conference (1946), and the Atlantic City Radio Conference (1947), the Inter-American Radio Conference at Washington (1949), the Extraordinary Administrative Radio Conference at Geneva, Switzerland (1952), and the Ordinary Administrative Radio Conference at Geneva (1959).

"REPORT YOUR SWEEPSTAKES RESULTS"

See that K9JQY receives copies of your Annual ARRL Sweepstakes Logs no later than the January TARS meeting, January 26, 1967. As announced, TARS will once again, as custom to stimulate "on the air activities" award a plaque to the high phone and high CW participant in the Annual ARRL Sweepstakes. Just submit a copy of the log mailed to ARRL to K9JQY who will be the judge and present the plaques.

"TARS JANUARY MEETING PROGRAM" — By K9STX Pam Chm. —

TARS January meeting will be held at the "Lighthouse", Second avenue and Virginia street starting promptly at 730 pm, Thursday, January 26, 1967. Business will be held to a minimum. The program will be Bill Ogg, WA9RMO, speaking on "New Equipment." The February meeting will be the Annual Auction with Howard "Humpy" Campbell, W9JFJ PP as auctioneer. Start making your plans now for this "gala" event now and bring plenty of equipment. The March meeting will be "First Aid" by Ingle O. Tetrich.

The new President W9LXA has announced a few of the Committee Chairmen. K9STX, program chairman, TVI chairman, W9WNM with K9JQY as Co-chairman. Sparks Editor, W9DGA, with Sparks advertising manager W9NZC. WA9BPP will be the official "Coffee Maker."

"TARS TREASURERS REPORT"

By K9LAU, Treasurer.

Cash balance - beginning of year	\$1,219.51	
Receipts to December 13	680.35	\$1,899.86
Disbursements to December 13		862.42
Cash Balance		\$1,037.44

PEACE ON EARTH
GOOD WILL TOWARDS MEN

May Peace and all His blessings
Be yours this Christmastide,
And in your heart the whole year long
May happiness abide!

TARS Staff,
W9NZC and W9DGA.

The Canadian DOT is making special call signs available in '67 to Canadian Amateurs to celebrate the centennial year. 3C can be used as a prefix for stations with VE, and 3B for VO prefixes. So don't be surprised when you hear the strange prefixes from across the border on the north beginning first of 1967.

CLUB IDEA: The CARCC (Chicago) announced a Build-it-Yourself-from-Scratch Contest that closed Sept 25. It did not limit the gadgetry built, except that it had to pertain to an amateur's station and be described in less than 250 words. No kits were eligible. A committee of 3 adjudged winners; prizes in excess of \$100, etc. Maybe TARS should try something like this.

I regret to report that "Gil," W1CJD died November 4 after a very short illness. Phil Gildersleeve's cartoons have been an outstanding feature of QST for more than thirty years, and he was a close associate of all hams. QST cartoons just won't be the same without "Gil" on them.

FCC has amended Part 2 of its rules to include the following definition: "Hertz. A unit of frequency equivalent to one cycle per second. The terms Hertz (Hz) and cycles (s) per second (c/s) are synonymous and may be used interchangeably." The Commission has no plans for wholesale changeover to adopt Hertz in its various procedures, at least in the immediate future. There has been quite a hassle within government circles on this subject. The Interdepartment Radio Advisory Committee is not changing, and assumes therefore also be military policy. The decision concerning use of the term in QST was awaiting positive action by government telecommunication entities, but this partial step does not point the way to immediate change.

To assist RTTYers using or intending to use narrow shift techniques, W1AW is now transmitting an extra bulletin period Wednesday evenings (0000 GMT Thursday) -- first with 170 cycle shift, then repeated at the standard 850 cycle shift.

The percentages of ballot returns in the recent Vice-Director election for the Central Division was 46%. Did you return your vote?

FCC announces Radio Operator Examinations - By appointment only will be held as follows. At Ft Wayne February 8, at Indianapolis February 10, and Louisville Ky February 15. All applications for licenses must now be filed in advance and accompanied by the required fee. Please mail the application, the fee, and any license you now hold to Chicago at least 10 days prior to the examination date. Specify the city in which you desire to take the examination. Failure to do this will require the return of the application. The application must be accompanied by the required fee. The remittance should be in the form of a check or money order payable to the FEDERAL COMMUNICATIONS COMMISSION. The FCC examiner is not authorized to accept any fees in the examination room in the above cities. Upon receipt of an acceptable application, an FCC Form 79 Notice to Applicant will be mailed specifying the place, date and hour you are to appear for examination. FCC Form 79 will be your admittance to the examination room. Fees for Amateur General class and Extra Class are \$4.00. Address all inquiries and requests to Chicago. The FCC does not maintain offices at Fort Wayne, Indianapolis or Louisville. Commercial exams are given the day before the amateur exams. Fees for First Class \$5., 2nd Class \$4., 3rd Class \$3 and all endorsements \$2.00. FCC address is Field Engineering Bureau, 1872 U S Courthouse, 219 South Dearborn Street, Chicago, Illinois 60604.

1967 Dues will soon be due. If you have not paid last year, see K9LAU.